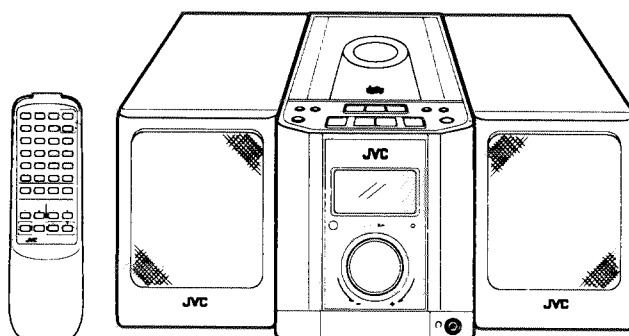


JVC

SERVICE MANUAL

MICRO COMPONENT SYSTEM

UX-1000GR UB/US/UT/U/VX



COMPACT
disc
DIGITAL AUDIO

Area Suffix

UB	Hong kong
US	Sigapore
UT.....	Formosa
U	Other Areas
VX.....	Eastern Europe

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1. Safety Precautions

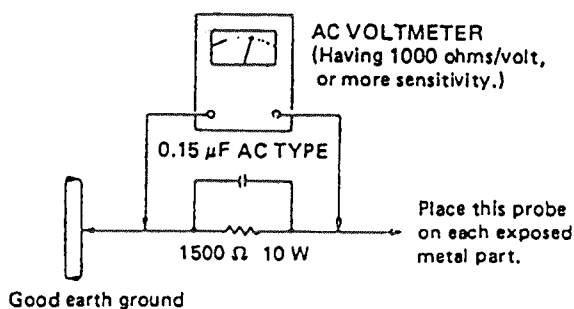
1. The design this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacture's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety – related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of service manual. Electrical components having such features are identified by () on the schematic diagram and parts list in the service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.
5. Leakage current check (Electrical shock hazard testing)

After re – assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet, using a "Leakage current tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC(r.m.s.)

- Alternate check method

Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 ohms 10W resistor paralleled by a 0.15 μ F AC type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured



Warning *(Hong kong only)*

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.



CAUTION

Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of performing repair of this system.

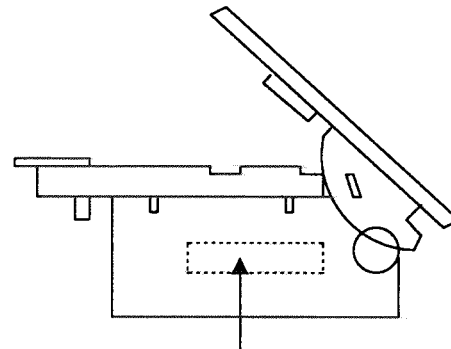
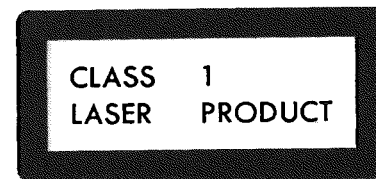
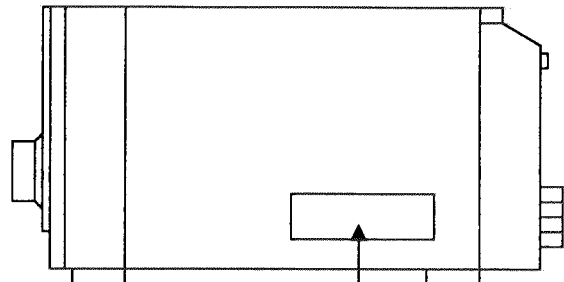
2. Safety Precaution about UX – 1000GR

IMPORTANT FOR LASER PRODUCTS PRECAUTIONS

(For US, VX only)

1. CLASS 1 LASER PRODUCT
2. **DANGER:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the rear cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
4. **CAUTION:** The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent the emission of radiation when the CD holder is open. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls for adjustments and the performance of procedures other than those specified herein may result in exposure to hazardous radiation.
6. **CAUTION:** The laser is able to function, if safety switches out of function. The laser light is invisible, avoid exposure, do not disassemble the laser unit, but replace the complete unit.

IDENTIFICATION LABEL AND CERTIFICATION LABEL



DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling. (d)	VARNING: Osynlig laserstråling när denna del är öppen och spärren är urkopplad. Beträkta ej strålen. (s)	VARO: Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)
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IMPORTANT (In the Hong • Kong) Mains Supply (AC 230 V~, 50 Hz only)

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally fitted, and to replace the fuse cover.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wires in the mains lead on this product are coloured in accordance with the following code:

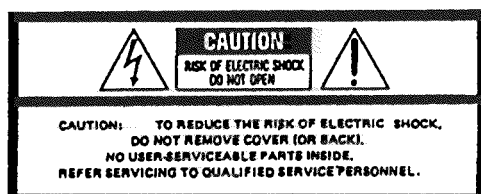


As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT – CONSULT A COMPETENT ELECTRICIAN.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

■ Important management points regarding safety(Item demanding special safety precautions)

1. Power transformer marking : VTP66J2 – 12K (UX – 1000VX), VTP66G2 – 12J (UX – 1000UB/US/UT/U)
The torque of the screw driver for the power transformor must be controlled.
2. Concerning the AC socket, the next marking must be confirmed and to avoid print circuit board pattern damage.
The AC socket must not float from print circuit board.
- Marking HJC027
3. Concerning the primary terminal and the adjacent secondary terminal on the print circuit board to provide proper creeping and spatial distance, solder must not protrude from soldering round.
4. Before installation confirm the fuse capacity indication, Ⓢ or ♡ mark on the holder.

REF.NO	Capacity and mark	Indication on P.C.board	Version
F901	T400mA	T400mA	VX
F901	T800mA	T800mA	UB/US/UT/U
F902	T6.3A	T6.3A	UB/US/UT/U/VX

5. The parts on the pattern side of the printed circuit board must be fixed with spacers or bond.
6. Wires must be clamped or secured at the locations shown in the figure so that the wire do not touch to live parts, moving part , hot part, or sharp edges.
7. Following parts are controlled as the heated parts. confirm that the flammable parts are lifted up the parts in () must be controlled.
 - IC901, IC31, (Q9201),R1001, R1002,R2001,R2002,(R5904),(R4003),IC602, Heat sink+IC91, IC holder(For IC901, IC31), (Heat sink)

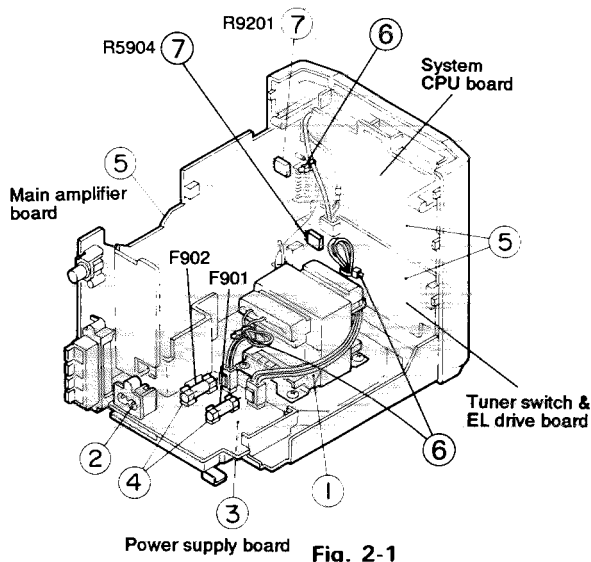


Fig. 2-1

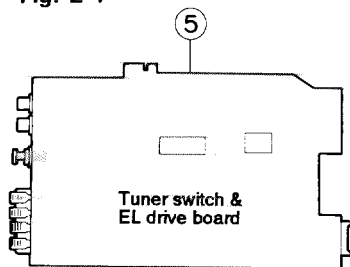


Fig. 2-3

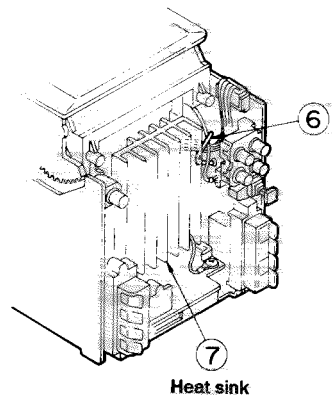


Fig. 2-2

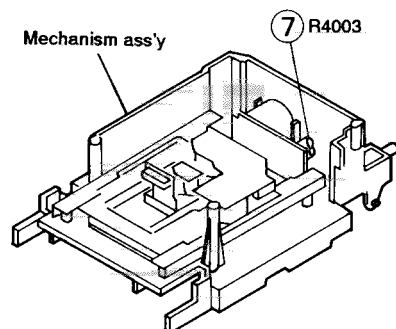


Fig. 2-4



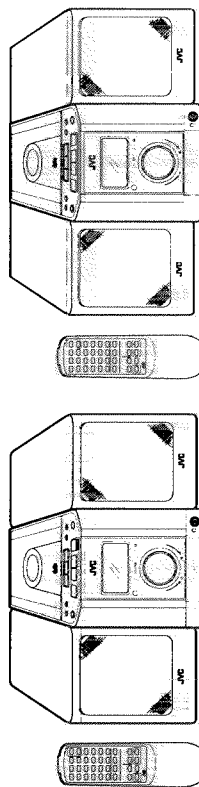
ULTRA MICRO COMPONENT SYSTEM

SISTEMA DE ULTRA MICROCOMPONENTES

微型組合音響設備

UX-2000 U/UB/US/UT

UX-1000 U/UB/US/UT



UX-2000

UX-1000



INSTRUCTIONS

INSTRUCCIONES

使用說明書

ENGLISH

Thank you for purchasing this JVC product. Please read these instructions carefully before starting operation to be sure to obtain optimum performance and a longer service life from the unit.



ESPAÑOL

Le agradecemos la adquisición de este producto de JVC. Por favor lea detenidamente las instrucciones antes de comenzar la operación para obtener de esta unidad un rendimiento óptimo y una vida de servicio más larga.

中文

承蒙您選購 JVC 公司的產品，謹致感謝。在使用之前，請仔細閱讀本使用說明書，以獲得理想的使用效果和更長的使用壽命。

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WARNING:
TO REDUCE THE RISK OF FIRE OR
ELECTRIC SHOCK, DO NOT EXPOSE
THIS APPLIANCE TO RAIN OR
MOISTURE.

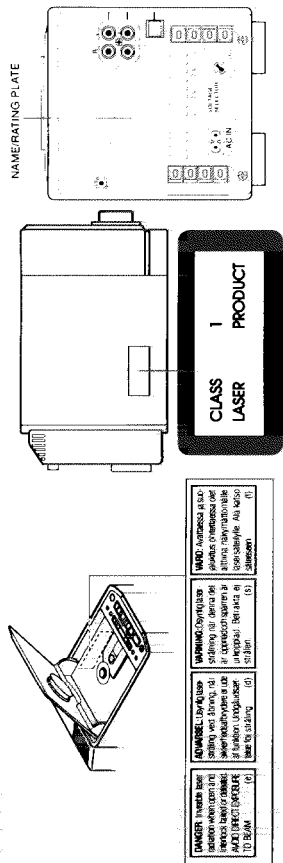


ADVERTENCIA:
PARA REDUCIR EL RIESGO DE
INCENDIO O DE CHOQUES
ELECTRICOS, NO EXPONGA ESTE
APARATO A LA LLUVIA O A LA
HUMEDAD.



警告:
為了防止火災以及觸電，請勿讓
本機淋雨受潮。

REPRODUCTION OF LABELS AND THEIR LOCATION



FEATURES

- Ultra micro component system
- Active Hyper Bass PRO circuit for low-frequency sound reproduction (COMPU PLAY)
- 36-key remote control unit
- Multi-function CD player
- Programmed play of up to 20 tracks
- Repeat Play
- Random Play
- 2-band digital synthesizer tuner with 30-station (15 FM and 15 AM) preset capability
- Seek/manual tuning
- Time/Clock function
- Timer on/off with preset volume function
- Sleep timer can be set for up to 120 minutes
- Dimmer button
- Optical digital output
- Subwoofer output

特點介紹

- 微型組合音響設備
- 用「產生低頻音響的有源式超低音」(Active Hyper Bass PRO) 產生電路
- 單觸操作 (COMPU PLAY)
- 36鍵遙控器
- 多功能 CD 唱機
- 最多 20 曲的編程播放
- 重複播放
- 隨機播放
- 具有預設 30 個電台 (15 個 FM 和 15 個 AM) 能力之數位合成收音機
- 搜尋/手動調諧
- 自動預設功能
- 定時器/睡眠功能
- 帶預設音量的定時器關閉
- 睡眠定時器可以最大設定到 120 分鐘
- 調光鍵
- 單觸數字輸出
- 副低音輸出

安全須知

PRECAUCIONES DE SEGURIDAD

Prevention of Electric Shocks, Fire Hazards and Damage

1. Even when the POWER button is set to standby, a very small current will flow to the unit for an extended period of time. Disconnect the power cord from the household AC outlet.
2. Do not handle the power cord with wet hands.
3. When unplugging from the wall outlet, always grasp and pull the plug, not the power cord. Disconnection, or contact failure affects the cord.
4. Do not bend the cord severely, or pull or twist it.
5. Do not modify the power cord in any manner.
6. Do not modify the power cord in any manner.

Prevention of Electric Shocks, Fire Hazards and Damage

1. Aunque el botón de alimentación POWER esté colocado en posición de STAND-BY, seguirá circulando una pequeña corriente eléctrica por el cable de alimentación durante un periodo prolongado de tiempo. Desconecte el cable de alimentación de la toma de corriente de CA.
2. No manipule el cable de alimentación con las manos mojadas.
3. Cuando lo desconecte de la toma de corriente de la pared, sujételo siempre por el enchufe, nunca por el cable.
4. En caso de que el cable sea afectado por daños, desconecte el cable de la toma de corriente de la pared, o toque el cable con cuidado.
5. No doble ni torza severamente el cable, ni lo modifique.
6. No modifique el cable de alimentación de ninguna manera.

Prevention of Electric Shocks, Fire Hazards and Damage

1. Aunque el botón de alimentación POWER esté colocado en posición de STAND-BY, seguirá circulando una pequeña corriente eléctrica por el cable de alimentación durante un periodo prolongado de tiempo. Desconecte el cable de alimentación de la toma de corriente de CA.
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4. En caso de que el cable sea afectado por daños, desconecte el cable de la toma de corriente de la pared, o toque el cable con cuidado.
5. No doble ni torza severamente el cable, ni lo modifique.
6. No modifique el cable de alimentación de ninguna manera.

7. To avoid accidents, do not remove screws to disassemble the unit and do not touch anything inside the unit.
8. Do not insert any metallic objects into the unit.
9. Unplug the power cord when there is a possibility of lightning.
10. If water gets inside the unit, unplug the power cord from the outlet and consult your dealer.
11. Do not block the unit's ventilation holes that allow heat to escape.
12. Do not install the unit in a badly ventilated place.
13. Since this unit uses a motor-driven CD holder or CD tray, make sure that your hand or other objects do not obstruct rotation or tray movement.

POWER button
When the power cord is connected to a household AC outlet, the power indicator lights in red indicating the STANDBY mode. When the POWER button is pressed, the power indicator goes out and the display window lights.

When this unit is plugged into an AC outlet, it consumes a small amount of power. The remote control and timer, or to back up the memory of the microprocessor, even when the POWER button is set to STANDBY.

7. Para evitar accidentes, no extraiga los tornillos para desarmar la unidad y no toque nada dentro de la misma.
8. No inserte ningún objeto metálico dentro de la unidad.
9. Desenchufe el cordón eléctrico cuando haya posibilidad de rayos.
10. Si se introduce agua dentro de la unidad, desenchufe el cordón eléctrico de la toma de corriente y consulte a su agente.
11. No bloquee los orificios de ventilación de la unidad que permiten el escape de calor.
12. No instale la unidad en un lugar mal ventilado.
13. Como esta unidad utiliza un portadiscos o una bandeja de CD motorizada, asegurese de que su mano u otro objeto no obstruya el movimiento del mismo.

Botón POWER
Cuando se conecta el cordón eléctrico al tomacorriente de CA, el indicador de alimentación se enciende en rojo indicando el modo STANDBY. Cuando presiona el botón POWER, el indicador de alimentación se apaga y se enciende la ventana de indicación.

Esta unidad consume una pequeña cantidad de energía cuando se conecta al tomacorriente de CA para hacer funcionar el control remoto y el temporizador, o para apoyar de la memoria del microprocesador, aun cuando se haya colocado el botón POWER en STANDBY.

7. 請勿卸下螺絲來拆卸裝置，也不要碰觸裝置內部的任何部件，以免發生事故。
8. 切勿將任何金屬物件塞入裝置內。
9. 如果有雷電閃光的可能，請拔下電源線。
10. 萬一有水進入裝置內，請將電源插頭從牆壁上的電源插座上拔下來，並且與銷售商聯絡。
11. 不要堵塞裝置的通氣孔，此通氣孔用於裝置的排熱。切勿將本裝置置於排熱條件差的地方。
12. 由於本機使用的是電動 CD 托架或 (CD) 托盤，所以應小心別讓手指或其他東西的礙托架或托盤的運動。

電源 (POWER) 鍵
當電源線連接到室內交流插座時，電源指示燈點亮紅燈表示本機處於電源待機 (STANDBY) 狀態。當按壓電源 (POWER) 鍵時，電源指示燈熄滅，顯示燈點亮。

目標裝置的電源插頭插入市電交流電源插座後，即使電源 (POWER) 處於待機狀態 (STANDBY)，仍然會有少量的電流流入，以作為遙控器運作以及定時器、微型電腦記憶裝置的記憶之用。

注意：

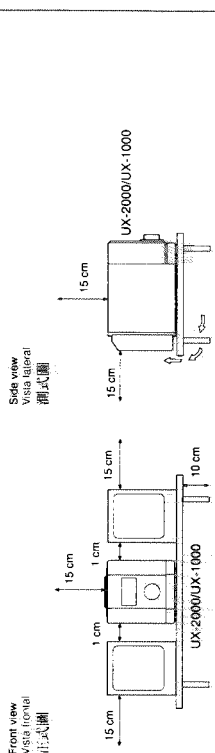
良好的通風
為了避免發生觸電和火災的危險以及防止損壞本系統，請按下列要求放置。

1. 前面：無障礙物並留有間隙空間。
2. 側面/上面/背面：無障礙物，須按照圖中所示尺寸放置。
3. 底部：取至於一手表面，置於高 10cm 以上的台面上，保持通風所需的適當空間。

Precaution:

Proper Ventilation
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

1. Front: No obstructions and open space.
2. Sides/Top/Back: No obstructions should be placed in the areas shown by the dimensions below.
3. Bottom: Place on a level surface. Maintain an adequate air path for ventilation by placing on a table with a height of 10 cm or more.



HANDLING PRECAUTIONS

PRECAUCIONES DE MANIPULACION

使用須知



Do not use this unit in direct sunlight where it is exposed to high temperatures above 40°C (104°F).

- Avoid installing in the following places**
Where the unit could be subjected to vibrations.
Where it is excessively humid, such as in a bathroom.
Where it could be magnetized by a magnet or speaker.
- Pay attention to dust**
Be sure to close the CD holder or CD tray so that dust does not collect on the lens. Do not touch the lens.
- Condensation**
In the following cases, condensation may occur and the unit may not operate correctly.
In a room where a heater has just been switched on.
In a place where there is smoke or high humidity.
When the unit is moved directly from a cold to a warm room.
In these cases, set the POWER button to ON and wait 1 or 2 hours before use.
- CDs produce very little noise compared with analog sources.** If the volume level is adjusted for these sources, the speakers may be damaged by the sudden increase of output level. Therefore, lower the volume before operation and adjust it as required during play.
- Safety mechanism**
This unit incorporates a safety interlock mechanism which switches the laser beam off so that when the CD holder or CD tray is open, the laser beam stops automatically.
- Do not place cassette tapes, etc. near the speakers**
Since there are magnets in the speakers, do not place tapes or magnetic cards on them as recorded data could be erased.
- Keep this unit away from your TV**
When this unit is used near a TV, the TV picture could be distorted. If this happens, turn the TV off. When the TV is turned on, do not correct the situation, avoid using this unit when the TV is turned on.
- Cleaning the cabinet**
If the cabinet gets dirty, wipe it with a soft, dry cloth. Never use benzine or thinner as these could damage the surface finish.
- When listening with headphones**
Do not listen at high volumes as this could damage your hearing.



No utilice esta unidad bajo la luz directa del sol donde podría quedar expuesta a temperaturas superiores a 40°C.

- Evite instalarla en los siguientes lugares**
Donde pueda ser sujeta a vibraciones.
Donde haya humedad excesiva, tal como en un cuarto de baño.
Donde pueda ser magnetizada por un imán o altavoz.
- Preste atención al polvo**
Asegúrese de cerrar el portadisco o compartimiento de CD para que el polvo no se deposite sobre la lente. No toque la lente.
- Condensación**
En los siguientes casos, puede producirse condensación dentro de la unidad y ésta no funcionará correctamente.
En una sala donde haya un calefactor encendido.
En un lugar donde haya humo o gran humedad.
Cuando se traslada rápidamente la unidad de una sala fría a una templada.
En estos casos, coloque el botón POWER en ON (encendido) y espere 1 o 2 horas antes de utilizarla.
- Ajuste del volumen**
Los productos de CD producen muy poco ruido comparados con las fuentes analógicas. Si ajusta el nivel de volumen para estas fuentes, es posible que los altavoces sean dañados por el incremento brusco del nivel de salida. Por ello, reduzca el volumen antes de la operación y ajústelo como desee durante la reproducción.
- Mecanismo de seguridad**
Esta unidad incorpora un mecanismo de encendido de seguridad que apaga y enciende el rayo láser de tal manera que cuando se abre el portadisco o compartimiento de CD, el rayo láser se apaga automáticamente.
- No coloque cassettes de cinta, etc., próximos a los altavoces**
Como que cintas o tarjetas magnéticas sobre los altavoces pueden ser borradas.
- Mantenga esta unidad lejos de su TV**
Cuando se usa esta unidad próxima a un TV, la imagen de éste puede ser distorsionada. Si ello ocurre, mueva esta unidad lejos del TV. Si esto no corrige el problema, evite usar esta unidad cuando el TV está encendido.
- Limpieza del gabinete**
Si el gabinete se ensucia límpielo con un paño seco. Nunca use bencina o thinner o solventes ya que éstos pueden dañar la terminación de la superficie.
- Cuando escuche con auriculares**
No escuche con el volumen muy alto porque podrían dañarse sus oídos.

CONNECTIONS

CONEXIONES

連接

- Do not switch the power on until all connections are completed.

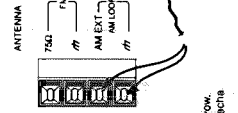
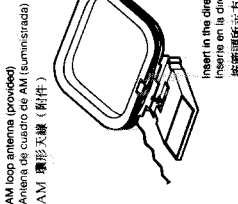
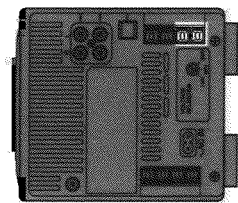
Antenna connection and adjustment

- AM loop antenna adjustment

- No connecte la alimentación hasta haber completado todas las conexiones.

Conexión y ajuste de la antena

- Ajuste de la antena de cuadro para AM

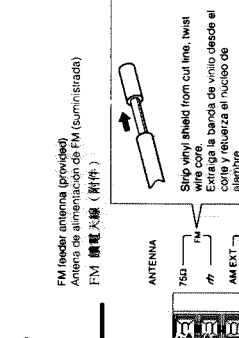
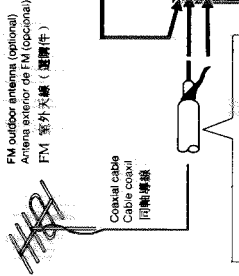
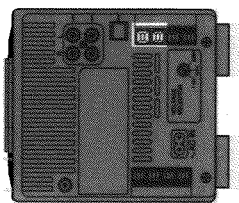


- Keep the loop antenna away from the unit and install it so that the best reception is obtained. (Do not leave the antenna wire in a bundle.)
- Coil the antenna of a quadro separated de la unidad e instálala de tal manera que se obtenga la mejor recepción. (No deje enrollado el cable de la antena.)
- 將環形天線安裝於離開裝置地方，這樣可以獲得最好的接收效果。（請勿將天線的導線捆扎起來。）

FM antenna connections and adjustments

- FM antenna connections and adjustments

- FM 天線的連接與調節



- Use an outdoor antenna when stable reception cannot be obtained with the provided antenna.
- Quando não seia possível obter uma recepção estável com a antena suministrada, utilize uma antena exterior
- 如果裝置的天線不能獲得穩定的接收效果，請使用室外天線。

Notes:

- Do not place the loop antenna on a metal desk or near a TV or personal computer.
- Installing an outdoor antenna requires experience; we recommend that you consult an experienced radio technician.
- Install the antenna cord away from the power and speaker cords as these could generate noise. Do not install the loop antenna so that it touches the rear of the unit.

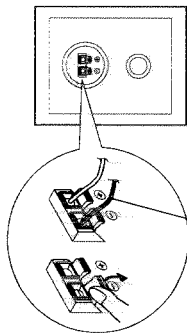
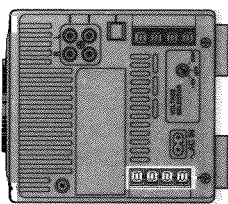
Notes:

- No coloque la antena de cuadro sobre un escritorio de metal o cerca de un TV o computador personal.
- La instalación de una antena externa requiere conocimientos; recomendamos que consulten con un técnico de radio experimentado.
- Coloque el cable de la antena lejos de los cordones de alimentación y de los altavoces, ya que éstos pueden generar interferencia. Cuando instale la antena de cuadro no permita que entre en contacto con la parte trasera de la unidad.

註：

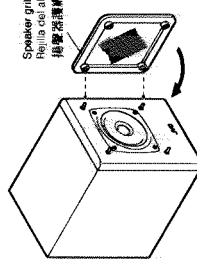
- 切勿將環形天線放置於金屬桌子上，或靠近電視或個人電腦。
- 天線的安裝需要經驗，我們建議您與有經驗的無線電技術人員諮詢。
- 請勿將天線的導線與電源線、揚聲器導線放在一起，這樣會產生噪音。環形天線不要放置於會觸到裝置背面的地方。

Speaker cord connection



Connect the cord marked with a line to the ☺ terminal.
Conecte el cordón marcado con una línea al terminal ☺.
將帶有線條的導線接到 ☺ 端子上。

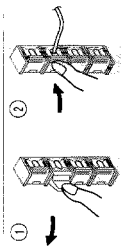
- The speaker grilles can be removed.
- When removing:
 1. Insert your fingers at the top and towards you.
 2. Also pull the bottom towards you.



- **Attaching the speaker grille**
- **Colocación de la rejilla del altavoz**
- **安裝揚聲器網罩**

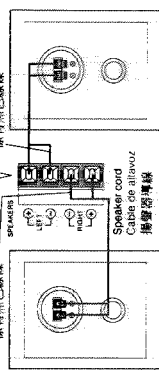
ings when attaching the grille.
 ar los encajes cuando coloque la rejilla.

Conexión de los cordones de los altavoces

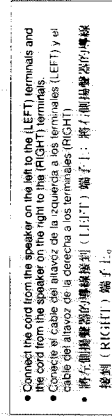


Connect the cord marked with a black line to the ⊖ terminal.
Conecte el cordón marcado con una línea negra al terminal ⊖.

將標有黑色線條的導線接到 ⊖ 端子上。



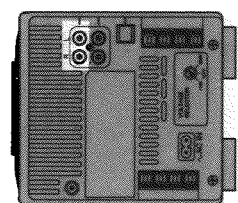
Right speaker (rear side)
Altavoz derecho (lado posterior)
右側揚聲器 (背面)



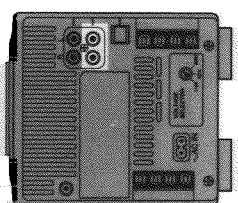
- 將左側揚聲器的導線接到 (L) 端子。將右側揚聲器的導線接到 (RIGHT) 端子。

- Las repillas de los altavoces pueden ser extraídas.
 - Cuando las extraiga.
1. Inserte los dedos en la parte superior y jale hacia usted.
 2. También jale el botón hacia usted.

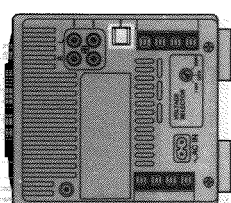
漏警器連線的連接



- Connection with a cassette deck, etc. (analog output)** When recording from this unit's CD player or radio to an external cassette deck, etc., connect the cord from this unit's line out terminals to the input terminals of the cassette deck, etc.



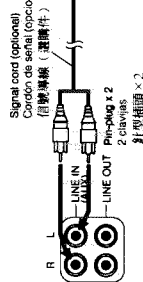
- Connection with an MD recorder, etc. (digital output)**



- An optical digital cord (optional) is required to make this connection. Refer to the instruction manual of the MD recorder, etc. for details.

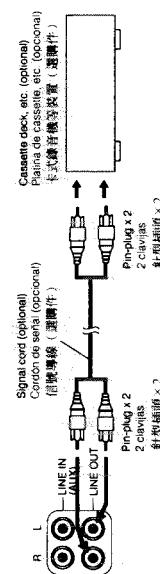
Conexión de unidades externas de audio

- Conexión con una platina de cassette o giradisco, etc. (Entrada de línea) (AUX)**
Es posible conectar una platina externa de cassette o un giradisco a esta unidad y reproducir el sonido de estas fuentes.



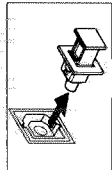
Cassette deck or turntable (with built-in equalizer) (optional)
Platina de cassette ou giradisco (com equalizador incorporado) (opcional)
卡式錄音帶或黑唱機 (帶內藏均衡器) (選購件)

- Conexión con una platina de cassette, etc. (salida analógica)**
 Cuando graba desde el reproductor de CD o de la radio de esta unidad en una platina externa de cassette, etc. conecte el cordón de los terminales de salida de esta unidad a los terminales de entrada de la platina de cassette, etc.

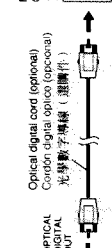


assette deck, etc. (optional)
Platina de cassette, etc. (opcional)
盒式錄音機等裝置 (選購件)

- Conexión con un grabador MD, etc. (señal digital)**
Es posible transmitir una señal de sonido digital desde el reproductor de CD a esta unidad directamente a un grabador MD externo, etc., que esté equipado con un terminal de entrada óptica. En este caso, conecte el cordón del terminal de salida digital óptica de esta unidad de CD al terminal de entrada óptica del grabador MD, etc.



Connect the optical digital cord to this unit after removing the terminal cover from the optical terminal.
Conecte el cordón digital óptico a esta unidad después de extraer la cubierta del terminal del terminal óptico.
從光信號端子上取下端子蓋後，將光學數字導線接到本機上。



MD recorder, etc. (optional)
Grabador MD, etc. (optional)
MD 錄放機等裝置 (選購件)

- Es necesario utilizar un cordón digital óptico (opcional), para efectuar esta conexión. Por detalles, refiérase al manual de instrucciones del grabador MD, etc.
- 做此連接時需使用光學數字導線（選購件）。詳細說明請參照 MD 錄放機等裝置的使用說明書。

外田聯誼裝置的連接

- 連接卡式錄音機或電唱機等裝置（線路輸入）（AUX）
本機可外接的卡式錄音機或電唱機來接收這些音源的放音。

- 連接 MD 錄放機等裝置（數字輸出）

- 數字音響信號可由本機的 CD 唱機直接傳送到外部的帶光信號輸入端子的 MID 錄放機等裝置。這時，請將本機的 CD 錄放機等裝置的光信號輸入端子與本機的光學數字輸出端子用導線接到 MID 錄放機等裝置的光信號輸入端子上。

• Connection with a subwoofer system (Subwoofer output)

It is possible to connect an external JVC subwoofer system, etc. to this unit.



Note:
Even when headphones are connected to the unit, sound from the subwoofer is not cut off. If you wish to listen to sound from the headphones, disconnect the subwoofer's cord, or disconnect the subwoofer's cord.

Note:
Regarding the connection with external units and their operations, refer to the instructions provided with those units.

• Conexión con un sistema de altavoz de subgraves (Salida del altavoz de subgraves)

Es posible conectar un sistema JVC de altavoz de subgraves externo, etc. a esta unidad.

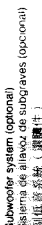


Note:
Aunque los audífonos estén conectados a la unidad, el sonido de los altavoces de subgraves no se silencia. Si usted desea escuchar el sonido de los altavoces de subgraves, desconecte la alimentación del altavoz de subgraves o baje el volumen del mismo, o desconecte el cordón del altavoz de subgraves.

Note:
En relación a la conexión de unidades externas y sus operaciones, refiérase a las instrucciones suministradas con estas unidades.

• Conexión al sistema de subgraves (Salida de subgraves)

Es posible conectar un sistema JVC de subgraves externo, etc. a esta unidad.



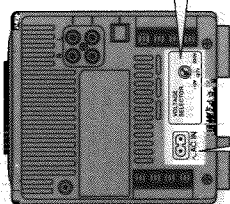
Note:
即使耳機已連接至本系統，仍向聽到來自超低音揚聲器的聲音。若希望從耳機聽，則請斷開超低音揚聲器的電源或降低其音量，或者取下超低音揚聲器的連接導線。

Note:
關於外接裝置的連接及其操作，請參照相應裝置的使用說明書。

POWER SUPPLY

Connection of AC power cord

1. When this unit is used in an area where the supply voltage is different from the preset voltage, reset the voltage selector to the correct position.



2. Connect the AC power cord.

Note:
• For the UX-2000/1000 UJ/US/UT, the AC plug adaptor is provided. If required, use it.

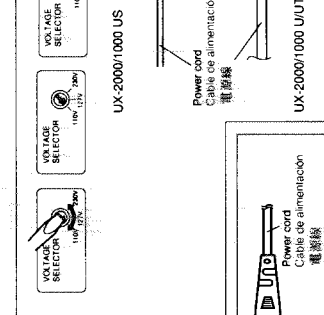
CAUTIONS:

1. ONLY USE WITH JVC POWER CORD PROVIDED WITH THIS UNIT TO AVOID MALFUNCTION OR DAMAGE TO THE UNIT.
2. BE SURE TO UNPLUG THE POWER CORD FROM THE OUTLET WHEN GOING OUT OR WHEN THE UNIT IS NOT IN USE FOR AN EXTENDED PERIOD OF TIME.

ALIMENTACION

Conexión del cordón de CA

1. Cuando se usa el esta unidad en un área donde la tensión es distinta a la preajustada, vuelva a ajustar el selector de tensión en la posición correcta.



2. Conexión del cable de corriente alterna

Note:
• Se provee de un adaptador para enchufe de CA para el UX-2000/1000 UJ/US/UT. Si fuera necesario, utilícelo.

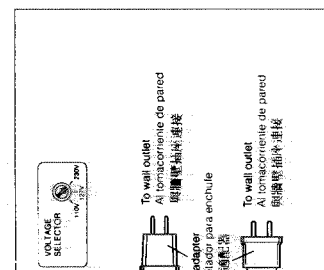
PRECAUCIONES:

1. PARA EVITAR FALLAS O DAÑOS EN LA UNIDAD, UTILICE EL CORDÓN DE ALIMENTACIÓN DE JVC SUMINISTRADO CON ESTA UNIDAD.
2. ASEGURESE DE DESENCHUFAR EL CORDÓN DE ALIMENTACIÓN DEL TOMACORRIENTES CUANDO SALGA O CUANDO NO VAYA A UTILIZAR LA UNIDAD POR UN LARGO PERÍODO.

電源

交流電源線の接続

1. 如果在與預設電壓不同的地方使用本機，請重新設定電壓，將電壓選擇器設定於正確的位置。



2. 連接交流電源線。

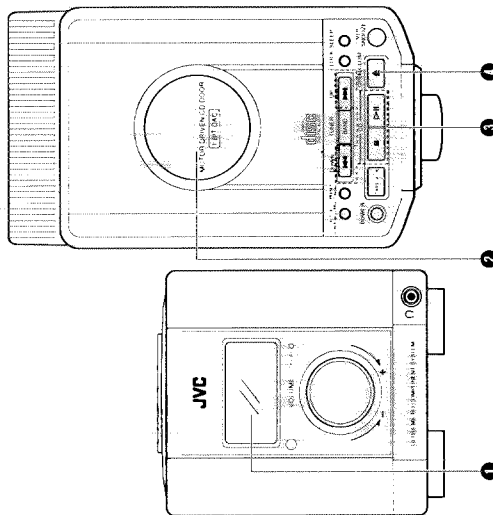
注意：
• UX-2000/1000 UJ/US/UT 配備有交流電壓轉換器，如果需要使用。

注意：

1. 請務必使用配備的 JVC 電源線，以防功能失常或者損壞設備。
2. 出門或者長期不使用本機時，請將電源插頭從電源插座上拔下。

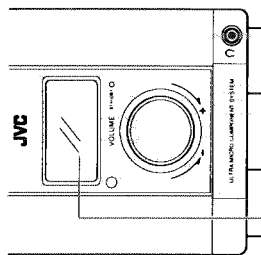
NAMES OF PARTS AND THEIR FUNCTIONS

CD player section



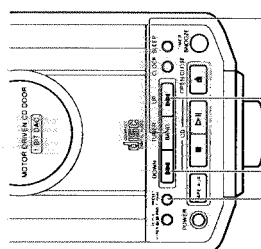
1. Display window
2. Stop/clear button (■)
3. Play/pause button (II)
4. CD SEARCH buttons (◀▶)
5. Repeat play indicator (≡ ALL)
6. Music calendar display
7. OVER indicator
8. Random play indicator (PROGRAM)
9. Program mode indicator (PROGRAM)
10. Function/track number display
11. Fast forward button (▶▶)
12. Fast reverse button (◀◀)
13. Stop/clear button (■)
14. Play/pause button (II)
15. CD SEARCH buttons (◀▶)
16. Repeat play indicator (≡ ALL)
17. Music calendar display
18. Random play indicator (PROGRAM)
19. Program mode indicator (PROGRAM)
20. Function/track number display
21. Fast forward button (▶▶)
22. Fast reverse button (◀◀)
23. Stop/clear button (■)
24. Play/pause button (II)
25. CD SEARCH buttons (◀▶)
26. Repeat play indicator (≡ ALL)
27. Music calendar display
28. Random play indicator (PROGRAM)
29. Program mode indicator (PROGRAM)
30. Function/track number display
31. Fast forward button (▶▶)
32. Fast reverse button (◀◀)
33. Stop/clear button (■)
34. Play/pause button (II)
35. CD SEARCH buttons (◀▶)
36. Repeat play indicator (≡ ALL)
37. Music calendar display
38. Random play indicator (PROGRAM)
39. Program mode indicator (PROGRAM)
40. Function/track number display
41. Fast forward button (▶▶)
42. Fast reverse button (◀◀)
43. Stop/clear button (■)
44. Play/pause button (II)
45. CD SEARCH buttons (◀▶)
46. Repeat play indicator (≡ ALL)
47. Music calendar display
48. Random play indicator (PROGRAM)
49. Program mode indicator (PROGRAM)
50. Function/track number display
51. Fast forward button (▶▶)
52. Fast reverse button (◀◀)
53. Stop/clear button (■)
54. Play/pause button (II)
55. CD SEARCH buttons (◀▶)
56. Repeat play indicator (≡ ALL)
57. Music calendar display
58. Random play indicator (PROGRAM)
59. Program mode indicator (PROGRAM)
60. Function/track number display
61. Fast forward button (▶▶)
62. Fast reverse button (◀◀)
63. Stop/clear button (■)
64. Play/pause button (II)
65. CD SEARCH buttons (◀▶)
66. Repeat play indicator (≡ ALL)
67. Music calendar display
68. Random play indicator (PROGRAM)
69. Program mode indicator (PROGRAM)
70. Function/track number display
71. Fast forward button (▶▶)
72. Fast reverse button (◀◀)
73. Stop/clear button (■)
74. Play/pause button (II)
75. CD SEARCH buttons (◀▶)
76. Repeat play indicator (≡ ALL)
77. Music calendar display
78. Random play indicator (PROGRAM)
79. Program mode indicator (PROGRAM)
80. Function/track number display
81. Fast forward button (▶▶)
82. Fast reverse button (◀◀)
83. Stop/clear button (■)
84. Play/pause button (II)
85. CD SEARCH buttons (◀▶)
86. Repeat play indicator (≡ ALL)
87. Music calendar display
88. Random play indicator (PROGRAM)
89. Program mode indicator (PROGRAM)
90. Function/track number display
91. Fast forward button (▶▶)
92. Fast reverse button (◀◀)
93. Stop/clear button (■)
94. Play/pause button (II)
95. CD SEARCH buttons (◀▶)
96. Repeat play indicator (≡ ALL)
97. Music calendar display
98. Random play indicator (PROGRAM)
99. Program mode indicator (PROGRAM)
100. Function/track number display
101. Fast forward button (▶▶)
102. Fast reverse button (◀◀)
103. Stop/clear button (■)
104. Play/pause button (II)
105. CD SEARCH buttons (◀▶)
106. Repeat play indicator (≡ ALL)
107. Music calendar display
108. Random play indicator (PROGRAM)
109. Program mode indicator (PROGRAM)
110. Function/track number display
111. Fast forward button (▶▶)
112. Fast reverse button (◀◀)
113. Stop/clear button (■)
114. Play/pause button (II)
115. CD SEARCH buttons (◀▶)
116. Repeat play indicator (≡ ALL)
117. Music calendar display
118. Random play indicator (PROGRAM)
119. Program mode indicator (PROGRAM)
120. Function/track number display
121. Fast forward button (▶▶)
122. Fast reverse button (◀◀)
123. Stop/clear button (■)
124. Play/pause button (II)
125. CD SEARCH buttons (◀▶)
126. Repeat play indicator (≡ ALL)
127. Music calendar display
128. Random play indicator (PROGRAM)
129. Program mode indicator (PROGRAM)
130. Function/track number display
131. Fast forward button (▶▶)
132. Fast reverse button (◀◀)
133. Stop/clear button (■)
134. Play/pause button (II)
135. CD SEARCH buttons (◀▶)
136. Repeat play indicator (≡ ALL)
137. Music calendar display
138. Random play indicator (PROGRAM)
139. Program mode indicator (PROGRAM)
140. Function/track number display
141. Fast forward button (▶▶)
142. Fast reverse button (◀◀)
143. Stop/clear button (■)
144. Play/pause button (II)
145. CD SEARCH buttons (◀▶)
146. Repeat play indicator (≡ ALL)
147. Music calendar display
148. Random play indicator (PROGRAM)
149. Program mode indicator (PROGRAM)
150. Function/track number display
151. Fast forward button (▶▶)
152. Fast reverse button (◀◀)
153. Stop/clear button (■)
154. Play/pause button (II)
155. CD SEARCH buttons (◀▶)
156. Repeat play indicator (≡ ALL)
157. Music calendar display
158. Random play indicator (PROGRAM)
159. Program mode indicator (PROGRAM)
160. Function/track number display
161. Fast forward button (▶▶)
162. Fast reverse button (◀◀)
163. Stop/clear button (■)
164. Play/pause button (II)
165. CD SEARCH buttons (◀▶)
166. Repeat play indicator (≡ ALL)
167. Music calendar display
168. Random play indicator (PROGRAM)
169. Program mode indicator (PROGRAM)
170. Function/track number display
171. Fast forward button (▶▶)
172. Fast reverse button (◀◀)
173. Stop/clear button (■)
174. Play/pause button (II)
175. CD SEARCH buttons (◀▶)
176. Repeat play indicator (≡ ALL)
177. Music calendar display
178. Random play indicator (PROGRAM)
179. Program mode indicator (PROGRAM)
180. Function/track number display
181. Fast forward button (▶▶)
182. Fast reverse button (◀◀)
183. Stop/clear button (■)
184. Play/pause button (II)
185. CD SEARCH buttons (◀▶)
186. Repeat play indicator (≡ ALL)
187. Music calendar display
188. Random play indicator (PROGRAM)
189. Program mode indicator (PROGRAM)
190. Function/track number display
191. Fast forward button (▶▶)
192. Fast reverse button (◀◀)
193. Stop/clear button (■)
194. Play/pause button (II)
195. CD SEARCH buttons (◀▶)
196. Repeat play indicator (≡ ALL)
197. Music calendar display
198. Random play indicator (PROGRAM)
199. Program mode indicator (PROGRAM)
200. Function/track number display
201. Fast forward button (▶▶)
202. Fast reverse button (◀◀)
203. Stop/clear button (■)
204. Play/pause button (II)
205. CD SEARCH buttons (◀▶)
206. Repeat play indicator (≡ ALL)
207. Music calendar display
208. Random play indicator (PROGRAM)
209. Program mode indicator (PROGRAM)
210. Function/track number display
211. Fast forward button (▶▶)
212. Fast reverse button (◀◀)
213. Stop/clear button (■)
214. Play/pause button (II)
215. CD SEARCH buttons (◀▶)
216. Repeat play indicator (≡ ALL)
217. Music calendar display
218. Random play indicator (PROGRAM)
219. Program mode indicator (PROGRAM)
220. Function/track number display
221. Fast forward button (▶▶)
222. Fast reverse button (◀◀)
223. Stop/clear button (■)
224. Play/pause button (II)
225. CD SEARCH buttons (◀▶)
226. Repeat play indicator (≡ ALL)
227. Music calendar display
228. Random play indicator (PROGRAM)
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Tuner section



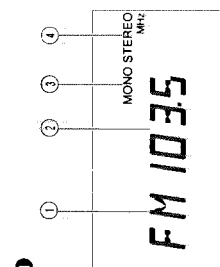
- 1 Display window
 - 2 Band indicator
 - 3 Radio frequency display
 - 4 Channel space mode display
 - 5 MONO indicator
 - 6 STEREO indicator
 - 7 PRESET TUNING button
 - 8 TUNING buttons (UP/DOWN)
- Press to select tuner mode.
Press to select the band.

Sección del sintonizador



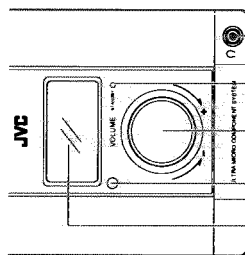
- 1 Ventanilla de indicación
 - 2 Indicador de banda
 - 3 Indicador de frecuencia de radio
 - 4 Indicador del modo de espacio canal
 - 5 Indicador mono/estéreo (MONO)
 - 6 Botón de presintonización (PRESET TUNING)
 - 7 Botones arriba/abajo de sintonización (UP/DOWN)
 - 8 Botón sintonizador/banda (TUNER/BAND)
- Presione para seleccionar el modo de sintonizador.
Presione para seleccionar la banda.

調諧器部分



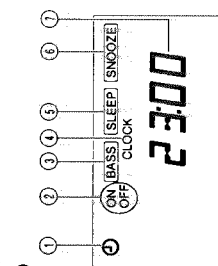
- 1 顯示窗
- 2 波段指示燈
- 3 無線電頻率顯示
- 4 頻道空間顯示 (MONO)
- 5 單聲道指示燈 (STEREO)
- 6 立體聲指示燈 (STEREO)
- 7 預設調諧鍵 (PRESET TUNING)
- 8 調諧鍵/波段鍵 (TUNER/BAND)
- 9 調諧器/波段選擇調諧方式按鍵此鍵選擇波段。

General section



- 1 Display window
 - 2 Timer mode indicator
 - 3 ON indicator (ON/OFF)
 - 4 BASS/HYPER-BASS PRO indicator
 - 5 CLOCK indicator
 - 6 SLEEP indicator
 - 7 SNOOZE indicator
 - 8 Time display
 - 9 Volume level display
 - 10 Bass/Treble level display
 - 11 Remote sensor section
 - 12 VOLUME indicator knob
 - 13 HYPER-BASS PRO indicator
 - 14 Headphones jack (7) (3.5 mm dia. stereo mini)
- Connect headphones (impedance 16.0 to 1 kΩ) to this jack. Speaker sound is automatically switched off when the headphones are connected.

Sección general



- 1 Ventanilla de indicación
 - 2 Indicador del modo de temporizador
 - 3 Indicador de activación/desactivación (ON/OFF) del temporizador
 - 4 Indicador de Hyper grave activo profesional (BASS)
 - 5 Indicador de reloj (CLOCK)
 - 6 Indicador de SLEEP
 - 7 Indicador de SNOOZE
 - 8 Indicador de hora
 - 9 Indicación de nivel de volumen
 - 10 Indicación de nivel de grave/agudo
 - 11 Perilla de control VOLUME
 - 12 Indicador de sección REMOTE
 - 13 Indicador de sección de espera (STANDBY) de alimentación
 - 14 Jack de audífonos (7) (mini estéreo de 3,5 mm)
- Conecte los audífonos (impedancia de 16 Ω a 1 kΩ) a este jack. El sonido de los altavoces se apaga automáticamente cuando se conectan los audífonos.

總合部分



- 1 顯示窗
 - 2 定時方式指示燈
 - 3 定時器指示燈 (ON/OFF)
 - 4 有源超低音產生指示燈 (BASS)
 - 5 時鐘指示燈 (CLOCK)
 - 6 睡眠指示燈 (SLEEP)
 - 7 假寐指示燈 (SNOOZE)
 - 8 時間顯示
 - 9 音量電平顯示
 - 10 低音／高音電平顯示
 - 11 遙控傳感器部分
 - 12 音場控制旋鈕 (VOLUME)
 - 13 音場指示燈 (STANDBY)
 - 14 頭帶式耳機插孔 (7) (直徑3.5毫米)
- 將頭帶式耳機 (阻抗為16歐姆到1千歐) 連接到此插孔。當連接頭帶式耳機時揚聲器的聲音自動關閉。

REMOTE CONTROL UNIT

Preparation before use

1. Installing batteries in the remote control
2. Remove the battery cover from the back of the remote control unit.
3. Insert two "R6AA (15F)" size batteries.
4. Insert the batteries with the + and - terminals matching the indication inside the battery compartment.



3. Replace the cover.

Battery replacement

When the remote control operation becomes unstable or the distance from which remote control is possible decreases, replace the batteries.

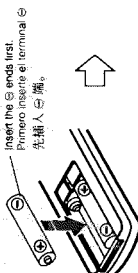
Using the remote control unit

1. Point at the remote sensor section and operate within about 7 m (approx. 23 ft).
2. The remote control range is less when the unit is used at an angle.
3. Do not expose the remote sensor section to strong direct sunlight or artificial lighting.
4. Make a firm that there are no obstacles between the remote sensor section and the remote control unit.

UNIDAD DE CONTROL REMOTO

Preparativos antes usarla

1. Control remoto
2. Quite la tapa de las pilas de la parte trasera de la unidad de control remoto.
3. Inserte dos pilas de tamaño "R6AA (15F)".
4. Inserte las pilas con los terminales (+) y (-) de acuerdo a la indicación en el interior del compartimento de las pilas.



3. Recolque la tapa.

Reemplazo de las pilas

Cuando el funcionamiento del controlador remoto se vuelve inestable o la distancia dentro de la cual actúa se reduce reemplaz las pilas.

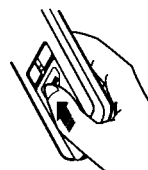
Utilización de la unidad de control remoto

1. Apunte a la sección del sensor remoto y opere dentro de los 7 m.
2. El alcance del control remoto es menor cuando se lo usa en ángulo.
3. No exponga la sección del sensor remoto a una luz directa de luz o una fuerte iluminación artificial.
4. No ponga nada que no haya obstáculos entre la sección del sensor remoto y el control remoto.

遙控器

使用前的準備工作

1. 將電池裝入遙控器
2. 打開遙控器背面的電池蓋蓋。
3. 裝入2節"R6AA (15F)"號電池。
4. 裝入的時候，按照電池盒內所示的(+)(-)向裝，不要將正(-)端子弄錯。



3. 重新蓋上蓋子。

電池的更換

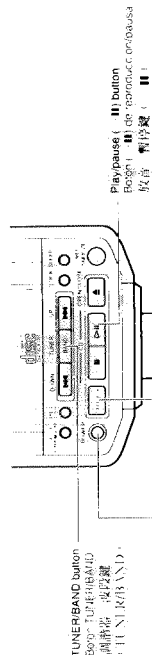
如果遙控器的操作失靈，或者操作距離變短了，此時請更換新的電池。

遙控器的使用方法

1. 對準遙控傳感器部分，在7米內操作。
2. 當以異樣置成一定的角度使用遙控器時，其遙控距離會減少。
3. 不要讓遙控傳感器部分受到強烈的直射陽光或燈光照射。
4. 確認在遙控器與遙控傳感器之間沒有障礙物。

SWITCHING THE POWER ON/OFF

CONEXION/DESCONEXION DE LA ALIMENTACION



Switching the power on/off

- Switching on: POWER

STANDBY

- Switching off: POWER

STANDBY

One touch operation (COMPU PLAY)

Even when the power is set to STANDBY, pressing the button shown below switches on the power and selects the source.

STANDBY

STANDBY

電源の接通と断開

電源の接通と断開は、電源ボタン (II) を押すことで行われます。

電源の断開は、電源ボタン (II) を押すことで行われます。

電源の断開は、電源ボタン (II) を押すことで行われます。

電源の接続と断開

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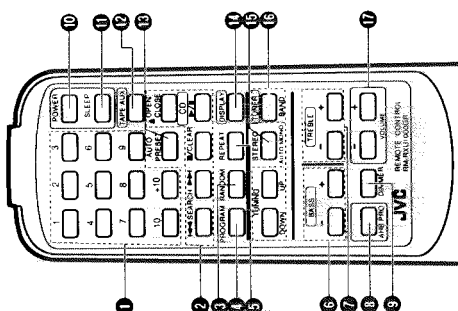
電源の断開は、電源ボタン (II) を押すことで行われます。

使用遥控器可做下列各项操縱，並且正確使用它們。

- 仔細檢查各個操縱鍵的功能，並且正確使用它們。

Las siguientes operaciones deben ser efectuadas utilizando la unidad de control remoto.

- Compruebe detalladamente el funcionamiento de los botones de operación y opérelas correctamente.



1. 樂曲號碼鍵 (第1號到第10號) (10)
2. 頻道號碼鍵 (第1號到第10號) (10)
3. CD播放鍵 (▶II)
4. 播放暫停鍵 (▶II)
5. 播放停止鍵 (■CLEAR)
6. 播放重複鍵 (REPEAT)
7. 播放快進鍵 (F.F.)
8. 播放倒退鍵 (R.W.)
9. 播放靜音鍵 (MUTE)
10. 播放音量鍵 (VOLUME)
11. 播放電源鍵 (POWER)
12. 播放顯示鍵 (DISPLAY)
13. 播放自動/單聲鍵 (STEREO)
14. 播放選擇鍵 (TUNER/BAND)
15. 播放選擇器 (TUNER/BAND)
16. 播放選擇器 (TUNER/BAND)
17. 播放選擇器 (TUNER/BAND)

The following operations can be performed using the remote control unit.

- Check the operation button functions carefully and operate them correctly.

1. Track number buttons (No. 1 to No. 10, +10)
2. Preset station buttons (No. 1 to No. 10, +10)
3. CD operation buttons
4. CD holder (▶II)
5. Play/pause button (▶II)
6. Stop button (■CLEAR)
7. Repeat button
8. Fast forward button (F.F.)
9. Rewind button (R.W.)
10. Mute button
11. Volume button
12. Power button
13. Display button
14. Auto preset button
15. Stereo button
16. Tuner/band button
17. Tuner/band button

音量、音調和其它控制

VOLUME, TONE AND OTHER CONTROLS

VOLUME buttons (using the remote control unit)

- Use to increase the volume.
- Use to decrease the volume.

(Control range from VOL. 0 to VOL. 50.)

Buttons VOLUME (using the remote control unit)

- Use to increase the volume.
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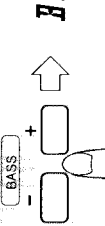
Buttons VOLUME (using the remote control unit)

- Use to increase the volume.
- Use to decrease the volume.

(Control range from VOL. 0 to VOL. 50.)

- When the power is switched on, the sound is reproduced from the memory of the last used button on the power is switched off. (While the fade in mode is engaged, operating the VOLUME buttons or control knob interrupts fading.)

BASS/TREBLE buttons (using the remote control unit)
To set the bass or treble level, press the corresponding button. The level setting ranges from -6 to 6.



ACTIVE HYPER-BASS PRO button
ON: The BASS indicator lights up. Set to this position to activate ACTIVE HYPER-BASS PRO sound.
OFF: The BASS indicator goes out. Set to this position when ACTIVE HYPER-BASS PRO sound is not required.

DIMMER button (using the remote control unit)
• When the power is switched on, pressing this button dims the display window's light. When the button is pressed again, the display window returns to its normal brightness.
• When the power is switched off, pressing this button, the display window lights with subdued brightness, and after 10 seconds, will go out. (The power is switched on.)
• Within these 10 seconds, all buttons except one touch operation buttons and TIMER/SNOOZE button do not function.



HANDLING CDS

Since dirty, damaged and warped CDs may damage the unit, take care regarding the following:

- Usable CDs**
Use CDs with the mark shown.
- Notes on handling CDs**
 - Do not touch the reflective recorded surface.
 - Do not stick or write anything on the label side.
 - Do not bend CDs.
- Storage**
 - After removing a CD from the unit, be sure to put it back in its case.
 - Do not expose CDs to direct sunlight, high temperatures, from a heater, etc., high humidity, or dust.
- Cleaning CDs**
 - Before loading a CD, wipe off any dust, dirt or fingerprints with a soft cloth. CDs should be cleaned by wiping radially from the center to the edge.

- Cuando se conecta la alimentación, el sonido se reproduce automáticamente desde el nivel de ajuste de la última vez que se usó el botón de la potencia. (Mientras el modo de atenuación está activado, el operar los botones VOLUME o el mando de control, interrumpe la atenuación.)

Botones BASS/TREBLE (usando el mando a distancia)
Para ajustar el nivel de grave o agudo, presione el botón correspondiente. El ajuste de nivel va de -6 a 6.



Botón de hiper graves activos profesionales (ACTIVE HYPER-BASS PRO)
ON: Se enciende el indicador BASS. Coloque en esta posición para activar el sonido hiper grave activo profesional.
OFF: Se apaga el indicador BASS. Coloque en esta posición cuando no desea escuchar el sonido de hiper grave activo profesional.

Botón DIMMER (usando el mando a distancia)

- Cuando se conecta la alimentación, el presionar el botón reduce la luz del visor de indicación. Si presiona el botón otra vez, el visor de indicación vuelve a su brillo normal.
- Cuando la alimentación está desconectada, cuando usted desea ver la indicación del nivel, presione este botón. Se encenderá el visor de indicación durante unos segundos, después de 10 segundos se apagará. (La alimentación está desconectada.)
- Dentro de esos 10 segundos, ningún otro botón que no sean los botones de operación de un solo toque y el botón TIMER/SNOOZE funciona.

MANIPULACION DE CD

Como los CD sucios, dañados o alabeados pueden dañar la unidad, tome precauciones en relación a lo siguiente:

- CD utilizables**
Utilice CD con la marca indicada.
- Notas sobre manipulación de CD**
 - No toque la superficie grabada brillante.
 - No adhiere ni escriba nada sobre el lado de la etiqueta.
 - No doble los CD.
- Almacenamiento**
 - Después de extraer un CD de la unidad, asegúrese de colocarlo otra vez en su caja.
 - No exponga los CD a la luz directa del sol, altas temperaturas provenientes de un calentador, etc., alta humedad, o polvo.
- Limpeza de CD**
 - Antes de colocar un CD, limpie el polvo, suciedad o huellas digitales con un paño suave. Los CD deben ser limpiados radialmente desde el centro hacia el borde.

- 當電源接連即停，聲音從音源電平 (7 分) 漸漸增強到電源關閉前所使用的電平。 (在漸強方式進行中，操作 VOLUME 鍵或控制旋鈕則中斷漸強操作。)

低音／高音鍵 (BASS/TREBLE) (使用遙控器)
要設定低音或高音電平時，按壓相應的鍵。電平設定範圍在 -6 到 6 之間。



有源超低音產生鍵
ON: 低音 (BASS) 指示燈點亮。設定於此位置以啟動有源超低音產生器 (ACTIVE HYPER-BASS PRO) 音。
OFF: 低音 (BASS) 指示燈熄滅。若不需有源超低音產生 (ACTIVE HYPER-BASS PRO) 音，請設定於此位置。

調光鍵 (DIMMER) (使用遙控器)

- 當電源接連即停：按壓此鍵後視機體亮度。
- 當電源關閉時：按壓此鍵：顯示窗暫時點亮 10 秒，之後，除電源控制板內設定之 TIMER/SNOOZE 鍵的所有鍵都一起作。

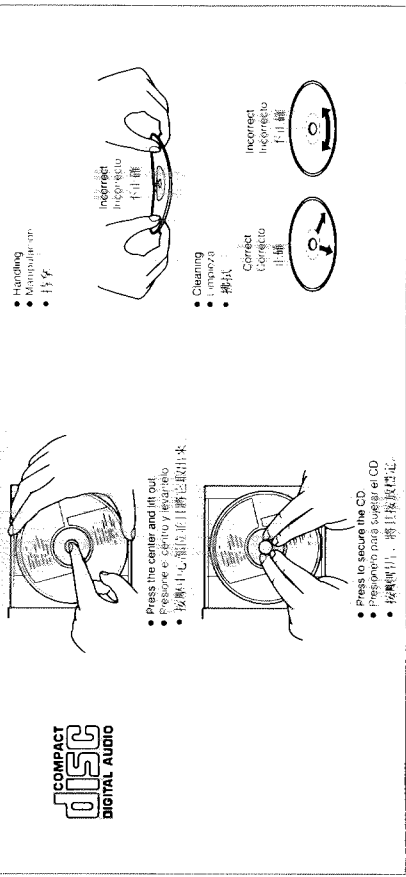
有關 CD

由於污穢的、損壞的、彎曲的唱片會損壞唱機，因此必須注意下列事項：

- 可用的 CD 唱片**
請使用有所標示的 CD 唱片。
- 關於使用 CD 唱片的注意事項**
 - 切勿觸摸唱片的反射面，錄有聲音的一面。
 - 切勿在有標籤的、面張紙或者書寫任何東西。
 - 切勿彎曲 CD 唱片。
- CD 唱片的保管**
 - 將 CD 唱片從唱機取出後，務必放回原盒。
 - 切勿讓唱片暴露於陽光下、取磁器等的高温中，潮濕以及灰塵之中。
- CD 唱片的清潔**
 - 在將 CD 唱片裝入唱機之前，請用柔軟的布拭去灰塵，然後以指指。

- Never use thinner, benzene, record cleaner or antistatic spray.
- Nunca utilice solvente, bencina, limpiador de discos o aerosol antiestático.

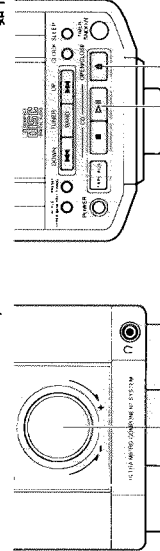
- Removing the CD from its storage case and loading it into the unit.
- Extracción del CD de su caja y colocarlo en el tocadiscos.
- 取出其唱片並將其裝入機器時，請小心。



PLAYING CDS

Playing an entire CD
The following example of playing an entire CD assumes a CD with 12 tracks and a total playing time of 48 minutes 57 seconds.

Operate in the order shown

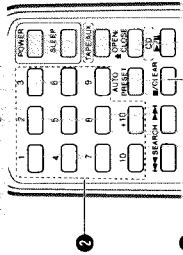


直接連出播放 (使用遙控器)

- 按壓任一樂曲號碼鍵即可從指定的樂曲的開頭開始播放。不必按壓 **▶ II** 鍵。(此功能不能用於播放收音中。)

Reproducción por acceso directo (utilizando la unidad de control remoto)

- Si presiona cualquiera de los botones de número de pista la reproducción se iniciará desde el principio de la pista escogida sin que tenga que presionar el botón **▶ II** (Esta función no puede ser usada durante la reproducción programada)



Direct access play (using the remote control unit)

- Pressing any of the track number buttons will start play from the beginning of the designated track without you having to press the **▶ II** button. (This function cannot be used during programmed play)

若要暫停播放

- 若要暫停播放，按壓 **II** 鍵。當播放暫停時，在播放時間、按壓停止/清除 **II** 鍵來停止播放。

- 若要暫停 CD
按壓 **II** 鍵來暫停播放。**II** 指示燈點亮。當再次按壓此鍵時，CD 將從暫停的位置開始重新播放。

- 若要更換 CD
在播放 CD 時，按壓 **II** 鍵，然後將 CD 取出，插入新 CD。當播放 CD 時，按壓 **II** 鍵，然後將 CD 取出，插入新 CD。

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若要更換 CD

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在播放 CD 時，按壓 **II** 鍵，然後將 CD 取出，插入新 CD。

Para detener la reproducción de un CD en la mitad de la misma

- Presione el botón **II** de parada/borrado para detener la reproducción.

- The total number of tracks and total playback time are displayed.

若要暫停 CD

- 若要暫停 CD
按壓 **II** 鍵來暫停播放。**II** 指示燈點亮。當再次按壓此鍵時，CD 將從暫停的位置開始重新播放。

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To stop in the middle of a CD

- During play, press the stop/clear **II** button to stop play.

- The total number of tracks and total playback time are displayed.

若要暫停 CD

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按壓 **II** 鍵來暫停播放。**II** 指示燈點亮。當再次按壓此鍵時，CD 將從暫停的位置開始重新播放。

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Random play (using the remote control unit)

Press the RANDOM button, and all tracks on a CD play once in random order.

Reproducción aleatoria (utilizando la unidad de control remoto)

Para reproducir una vez todas las pistas de un CD aleatoriamente, presione el botón RANDOM.

隨機播放 (使用遙控器)

按壓 RANDOM 鍵，(CD) 上的所有樂曲按隨機順序播放一遍。

RADIO RECEPTION

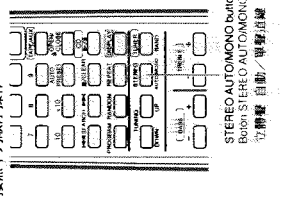
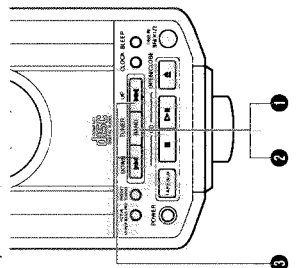
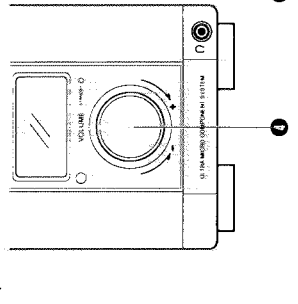
RADIORRECEPCION

無線電廣播的接收

Operate in the order shown

Operate in the order shown

按照下列順序操作



- 1 Press the TUNER/BAND button.
- 2 The power is switched on and a band and station frequency will be shown in the display.
- 3 Select the required band.
- 4 Tune to the required station.
- 5 Adjust.

- 1 Presione el botón TUNER/BAND.
- 2 Se conecta la alimentación y aparece en el visor una banda y una frecuencia de estación.
- 3 Seleccione la banda.
- 4 Sintonice la estación deseada.
- 5 Ajuste.

- 1 按壓 TUNER/BAND 鍵。
- 2 電源便被接通，波段以及廣播頻率將顯示出來。
- 3 選擇波段。
- 4 調諧出您所聽聽的電臺。
- 5 調節。

STEREO AUTO/MONO button (using the remote control unit)

Auto mode: Set to this position when listening to or recording an FM stereo broadcast. The STEREO indicator lights when the FM stereo broadcast is received.

MONO: Set to this position when FM stereo reception is noisy. When another station is tuned to in the MONO mode, the unit automatically enters Auto mode.

Botón STEREO AUTO/MONO (utilizando la unidad de control remoto)

Modo automático: Coloque en esta posición cuando escucha o graba una radiodifusión estéreo de FM. El indicador STEREO se enciende cuando se recibe una radiodifusión estéreo de FM.

MONO: Colóquelo en esta posición cuando la recepción estéreo de FM tenga ruido. Si se sintoniza otra estación en el modo MONO, la unidad ingresa automáticamente en el modo automático.

立體聲 自動/單聲道 (STEREO AUTO/MONO) 鍵 (使用遙控器)

自動方式：若要收聽或者收錄 FM 立體聲廣播，請設於此位置。當收到 FM 立體聲廣播時，STEREO 指示燈便會點亮。

MONO：FM 立體聲接收有雜音時，請設於此位置。當用單聲道方式 (MONO) 調入其它的電臺時，本機則自動轉入自動方式。

Seek tuning

Press the UP or DOWN button for one second or more. The unit enters the seek tuning mode automatically, so the broadcast can be heard.

Búsqueda de sintonía

Presione el botón UP o DOWN durante un segundo o más. La unidad ingresa al modo de sintonización automática, por lo que se escucha la radiodifusión.

搜尋調諧

按壓 UP 或 DOWN 鍵，或一秒鐘以上。裝置便進入搜尋調諧方式並自動調諧到最近的 個電臺上。這樣便能聽到廣播。

Manual tuning

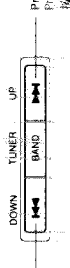
Each time the UP or DOWN button is pressed, the unit steps through the current frequency band. Tuning is done in steps of 50 kHz/100 kHz for FM and 9 kHz/10 kHz for AM.

Sintonización manual

Cada vez que se presiona el botón UP o DOWN, la unidad pasa a través de la banda de frecuencia actual. La sintonización es efectuada en pasos de 50 kHz/100 kHz para FM y de 9 kHz/10 kHz para AM.

手動調諧

每按壓一次 UP 或者 DOWN 鍵，便會跳過正在收聽的頻率波段。FM/AM 的頻率跳變分別為 50 kHz/100 kHz (FM) 、 9 kHz/10 kHz (AM) 。



Press to move to higher frequencies. Presione para avanzar a frecuencias más altas. 按壓此鍵以朝高的頻率方向移動。



The total playback time of programmed tracks is displayed. Se visualiza el tiempo de reproducción de todas las pistas programadas.

- 1 Designate the remaining tracks by pressing the track number buttons.
- 2 Press the PROGRAM button when programming is completed. Programmed play starts.

- 3 按壓樂曲號碼鍵對指定剩餘的樂曲。
- 4 當結束編程按壓 PROGRAM 鍵，開始編程播放。

To confirm the details of a program... Press the PROGRAM button; the tracks making up the program will be displayed in programmed order.

確認程序的細節... 在停止方式下按壓 PROGRAM 鍵：被編程的樂曲將會按編程的順序被顯示出來。



Program order number. Número de orden de programa. 編序號碼

To clear the programmed tracks... Press the CLEAR button before playing a CD. During programmed play, press this button twice. When the CD holder is opened, programmed tracks are cleared automatically.

清除被編程的樂曲... 在開始播放 (CD) 之前按壓 CLEAR 鍵。在編程播放期間，兩次按壓此鍵。

- Notes: If the total playing time of the programmed tracks exceeds 99 minutes 59 seconds, the playing time indication will go out.
- When the CD holder is opened, programmed tracks are cleared automatically.
- When the CD holder is opened, the "OVER" indicator will appear.

- 註：如果編選樂曲的總播放時間超過 99 分 59 秒，總播放時間顯示消失。
- 當樂曲號碼超過 16 首的 (CD) 時，"OVER" 指示燈會出現。

Repetition de reproducción (utilizando la unidad de control remoto)

Press the REPEAT button before or during play. A single track or all the tracks can be repeated. When a single track or all tracks are in the REPEAT mode, the mode will change from a single track (≡) to all the tracks (≡ ALL) to the clear mode, in this order.

重複播放 (使用遙控器) 在播放之前或播放期間，按壓重複 REPEAT 鍵。可以指定重複單曲或全部。每按壓一次 REPEAT 鍵，方式按單曲 (≡) 、全部 (≡ ALL) 、取消的順序改變。



Repeat playback is released. Se desactiva la reproducción repetida. 重複播放被解除

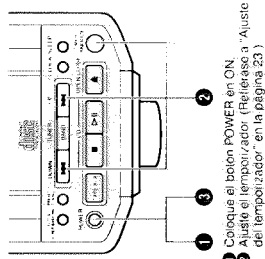
- Single track repeat (≡) The track being played will play repeatedly.
- All track repeat (≡ ALL) All tracks programmed tracks of a CD will play repeatedly.

- 單曲重複 (≡) 正在播放的樂曲將被重複播放。
- 全部重複 (≡ ALL) 所有樂曲或 CD 上的編選樂曲將被重複播放。

Timer playback

- Timer playback of CDs or broadcasts is possible.

Operations



- 1 Set the POWER button to ON.
- 2 Set the timer. (Refer to "Setting the timer" on page 23.)

Source sound Fuente de sonido	Timer mode Modo de temporizador	Operations Operaciones
CD play Reproducción de CD	CD	Load a CD. Carga un CD.
Broadcast Reproduction Reproducción de radio	TUNER TIMER 調頻器	Tune to the required station. Sintoniza la estación requerida. 調入所需的電台

Switch the power off

- Timer playback will start at the timer start time and the power will be switched off at the timer stop time.
The unit remains in the same timer mode even after the power is switched off. The same timer will start at the same time on the following day.
• When the power is switched on, it is possible to fade in the sound from volume level 0 (zero) to the preset volume.

- To cancel timer operation
Press the TIMER/SNOOZE button so that the timer mode indicator (C) goes out.

Notes:

- When the volume setting is set to "VOL." (volume level is not specified), the timer playback volume is set to the level used before setting the timer.
- To stop during timer playback, press the POWER button to switch the unit off.

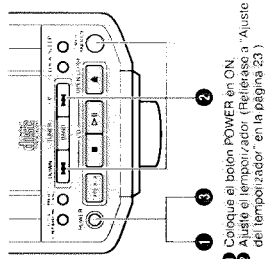
To get an extra 5 minutes of sleep...

- When timer playback starts, press the TIMER/SNOOZE button. The power is switched off and timer playback restarts after 5 minutes. (While the snooze mode is activated, the snooze indicator lights.)

定時播放

- 可進行 (C) 廣播電臺的定時播放。

操作



- 1 按壓 POWER 鍵，接通電源。
- 2 設定定時器。(請參看第 23 頁的「設定定時器」)

Timer mode Modo de temporizador	Operations Operaciones
CD	Load a CD. Carga un CD.
TUNER TIMER 調頻器	Tune to the required station. Sintoniza la estación requerida. 調入所需的電台

斷開電源。

- 定時播放將於定時器開始時間開始，並自電源斷開後定時器亦將自動斷開。
即使電源斷開以後，該定時器仍將繼續儲存於記憶裝置中。第二天將於同樣的時間重複同樣的定時功能。
• 當接通電源時，聲音可能從音量電平 (0) 漸次增強至預設的聲音。
• 若要取消定時設定
按下定時器 TIMER/SNOOZE 鍵，這樣定時器方式指示 (C) 便會消失。

註：

- 當音量設定為 "VOL." (音域電平未指定) 時，定時播放音量將為設定定時器前所用的電平。
- 若要在定時播放中停止播放，請按壓 POWER 鍵，斷掉設備。

• 要增加 5 分鐘的入睡時間...

- 當定時播放開始時，按壓 TIMER/SNOOZE 鍵，電源斷開，定時播放將在 5 分鐘後重新開始進行。(在假寐方式模式中，輕按指示燈會亮起。)

Note

While timer playback is engaged, pressing the TIMER/SNOOZE button within 5 minutes to the timer mode indicator will switch the power off but timer playback does not stop. (Example: When the timer stop time is set to 7:30, those 5 minutes are from 7:25 to 7:30.)

Sleep timer operations

- Use this when you want to fall asleep while listening to a broadcast or CD.
Set to the required source and tune (broadcast) or play back CD.
Press the SLEEP button to set the sleep time.



SLEEP
SLEEP is shown in the display.
Se visualiza SLEEP en el display.
SLEEP 出現在顯示器上。

- Sleep time settings of 30, 60, 90 or 120 minutes can be set. When you release the SLEEP button, the source is displayed after 5 sec.
- The sleep timer operation will start and the power will be switched off after the specified time.

• Checking the sleep time

- When the SLEEP button is pressed, the remaining sleep time is displayed. If it is pressed again, a new sleep time can be set.
- To cancel the sleep timer operation
Press the POWER button to switch the power off or press the SLEEP button until the sleep time indicator disappears.

B. To fall asleep while listening to a broadcast or CD and to perform timer playback the following morning

- 1 Set the timer. (Refer to "Setting the timer" on page 23.)
- 2 Set to the required source (broadcast or CD).
- 3 Press the SLEEP button to set the sleep time.



SLEEP
SLEEP is shown in the display.
Se visualiza SLEEP en el display.
SLEEP 出現在顯示器上。

- Any source can be selected for sleep timer operation. (timer playback). For example:
• CD play for sleep timer operation and broadcast reception for timer playback.

However, when broadcast reception is selected for both sleep timer operation and timer playback, the sleep timer operation at night will be tuned to the following morning.

註：

Mientras la reproducción por temporizador está activada, el presionar el botón TIMER/SNOOZE dentro de los 5 minutos restantes para la reproducción de la fuente de radio o de la alimentación por temporizador, cancelará la alimentación por temporizador, pero la reproducción no se detendrá.
(Ejemplo: Cuando se establece la hora de desconexión del temporizador en 7:30, esos 5 minutos van desde las 7:25 a las 7:30.)

Operaciones del temporizador de desconexión

- Use este método cuando desee dormir mientras escucha un programa de radio o un CD.

- 1 Ubique la fuente deseada y sintonice (radiofusión) o reproduzca el CD.
- 2 Presione el botón SLEEP para ajustar la hora a la que desea desconectarse.



- 1 設定您想聽的音源和曲目或播者 (C)。
- 2 按壓 SLEEP 鍵，以設定睡眠時間。

- 睡眠的定時時間有 30 分、60 分、90 分以及 120 分可供選擇。當您按壓 SLEEP 鍵解除睡眠定時以後，過 5 秒鐘音源將會繼續出來。

- 當設定的時間到時，睡眠的定時功能便起作用，電源會被斷開。

- 檢查睡眠定時的時間
按壓 SLEEP 鍵，剩餘的睡眠時間便會顯示出來。如果再次按壓一次該鍵，您就可以重新選擇一個新的睡眠時間。

- 若要取消睡眠定時的設定
按壓 POWER 鍵，斷開電源；或者按壓 SLEEP 鍵，直至睡眠定時的時間指示消失。

B. 要聽著廣播或 CD 入睡並在次日清晨進行定時播放

- 1 設定定時器。(請參看第 23 頁上的「設定定時器」)
- 2 選擇您想聽的音源 (電臺廣播或者 CD 唱片)。
- 3 按壓 SLEEP 鍵，設定睡眠定時時間。

- 睡眠定時以及定時播放的音源可任意選擇。比如：

- 定時播放 CD 唱片，定時播放電臺廣播。

但是，如果睡眠定時以及定時播放的音源都選擇了電臺廣播，那麼，第二天早晨的電臺就是您前一天晚上所聽的電臺。

Sin embargo, cuando selecciona la recepción de una radiodifusión para la operación del temporizador, despertador y para la reproducción de radio, la estación de radio que usted escuchó durante la noche será sintonizada la mañana siguiente.

4. Location of Main Parts

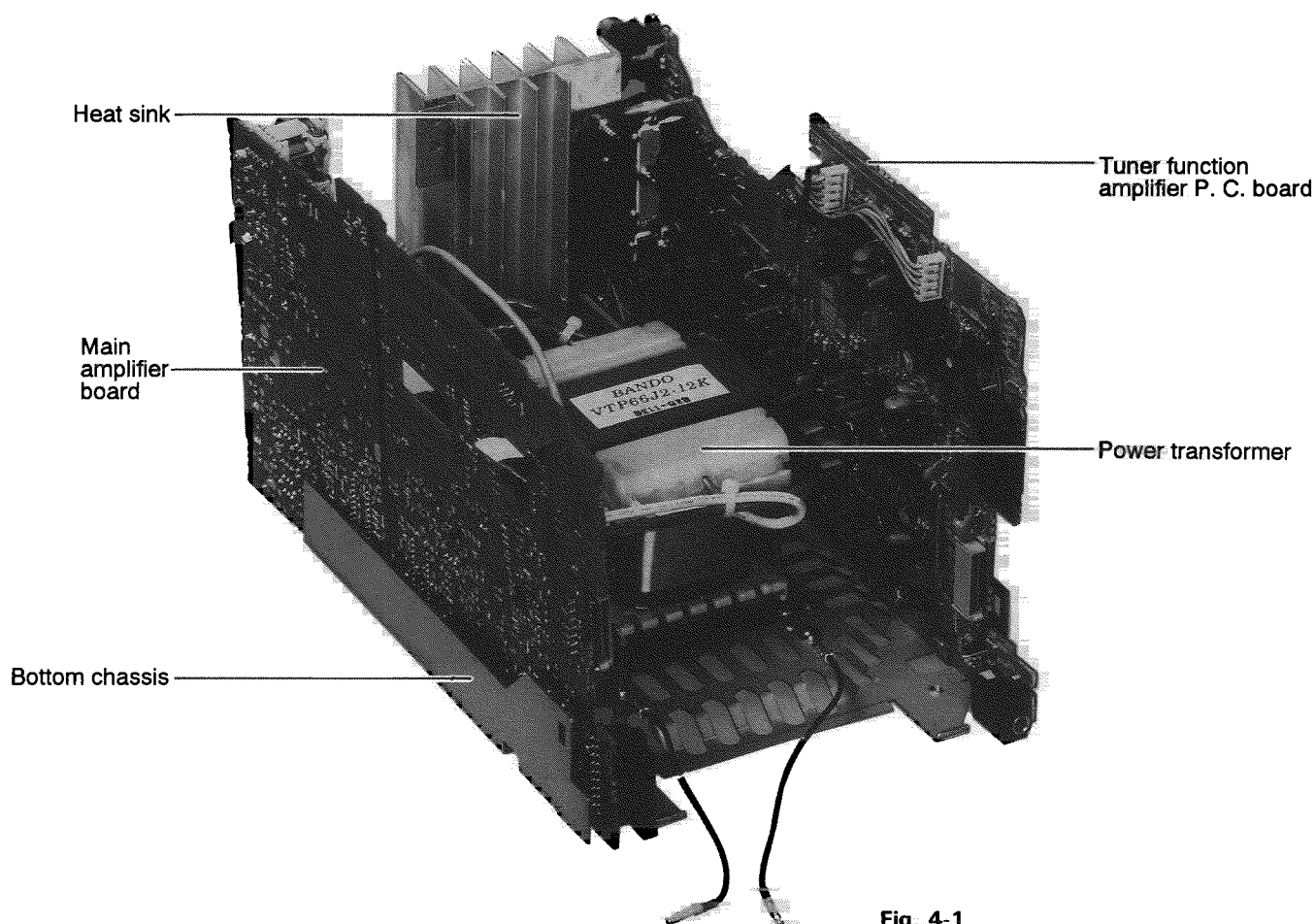


Fig. 4-1

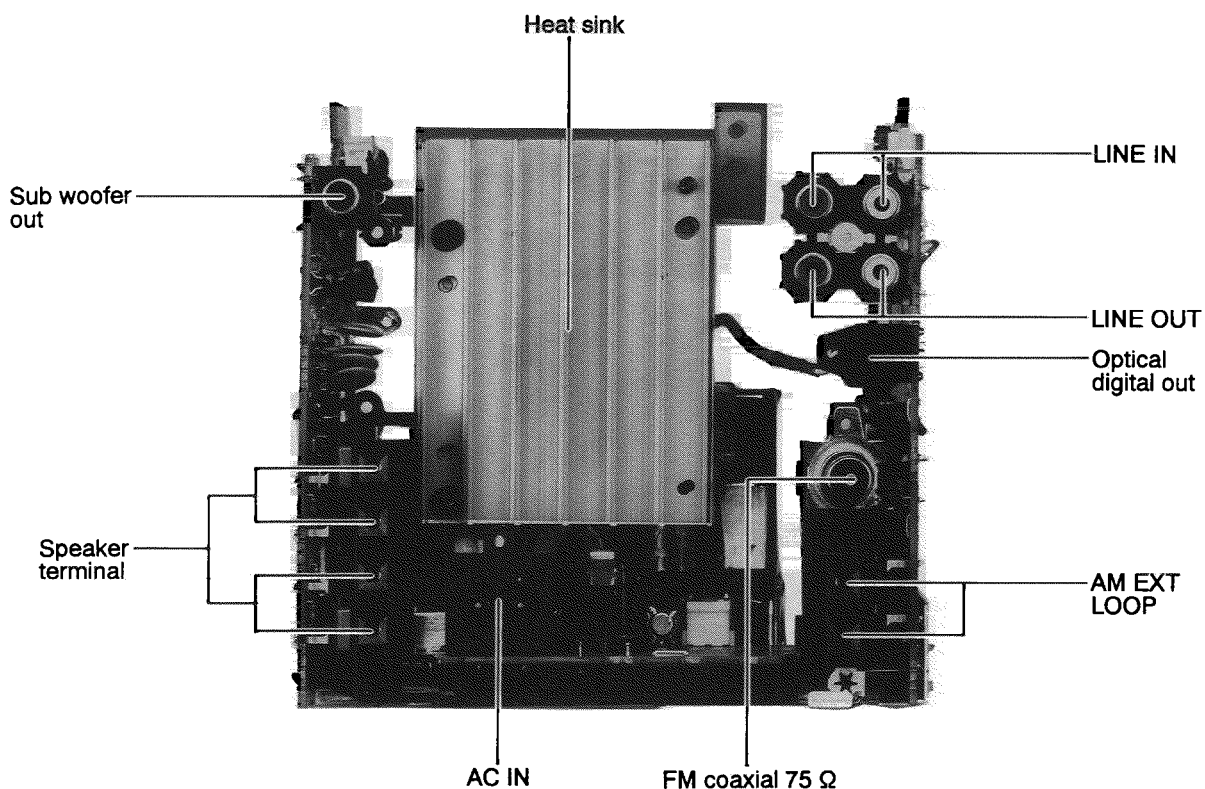
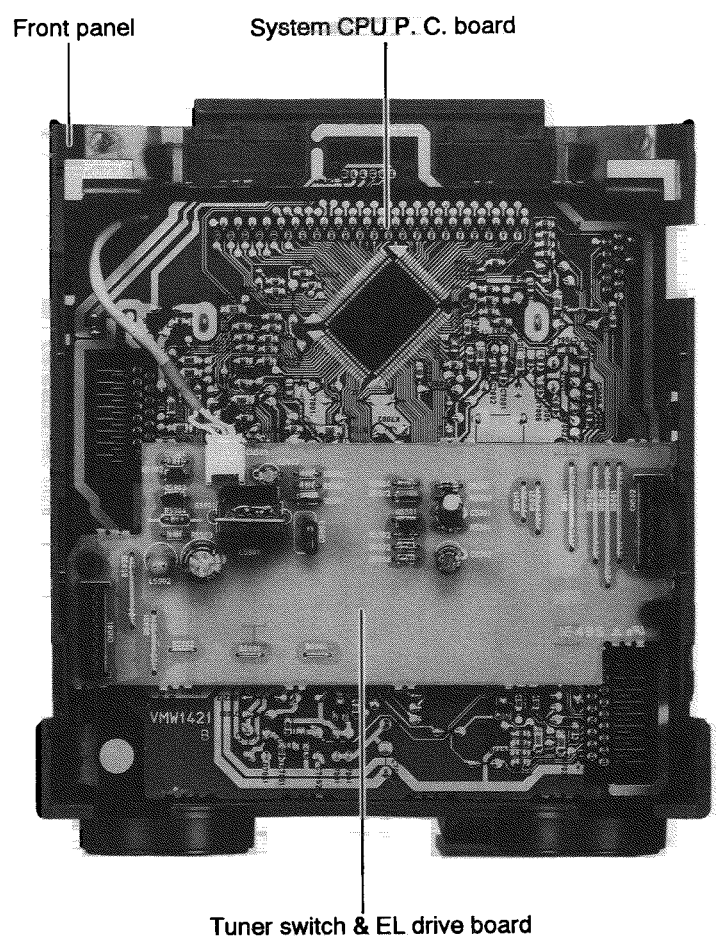
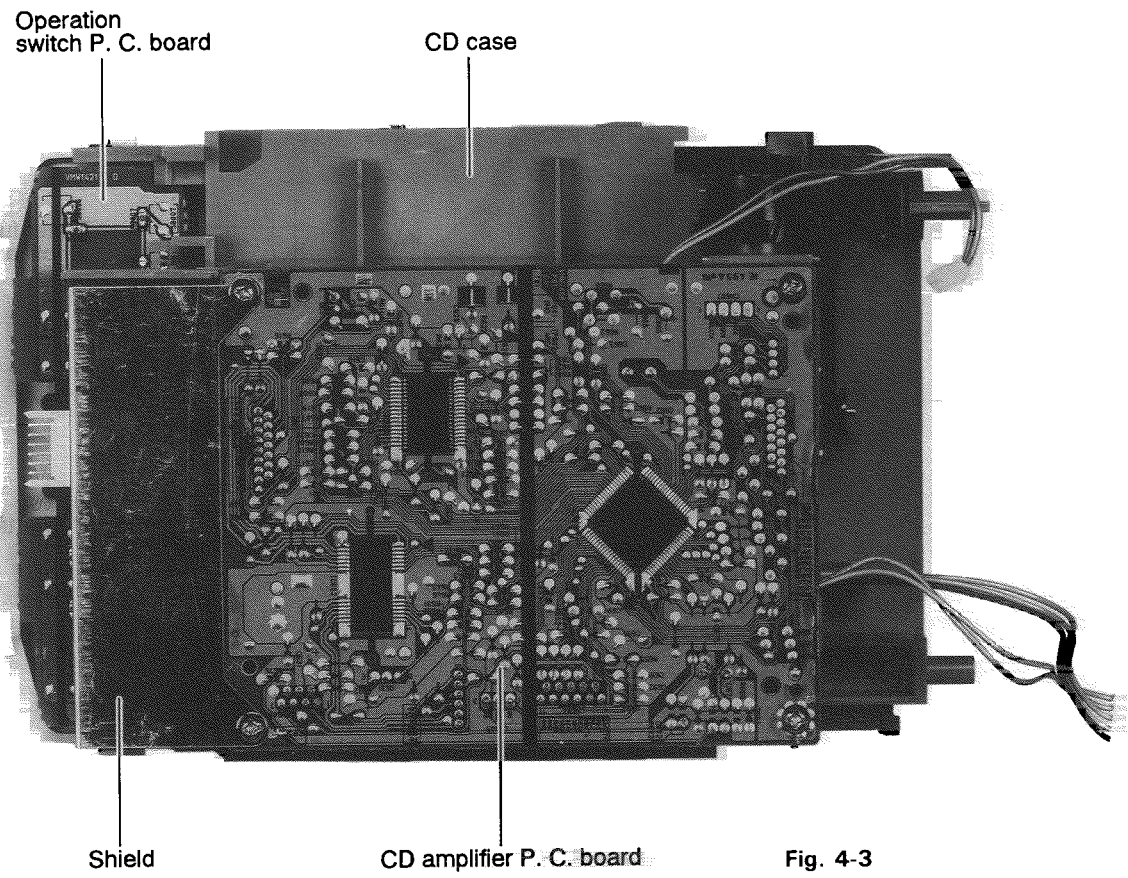


Fig. 4-2



5. Removal of Main Parts

■ Removing the rear cover and side panel (See Figs. 5-1~5-4)

1. • Remove the six screws ① retaining the rear cover from behind the body.
 • From the bottom face of the body, remove the four screws ② retaining the rear cover.
 • After passing the lock pawls at the speaker terminals through the position in Fig. 5-1, remove the rear cover.
2. • Remove the two screws ③ retaining both of the right and left side panels.
 • By moving the side panels (right and left sides) while pulling out the panels toward the rear side, disengage the upper two engagement sections, and dismount the panels while expanding them toward the front side.

※ For assembling (the rear cover and side panels), mount the upper two engagement sections while aligning the same in place at first, and assemble the rear cover and side panels while plugging (the cover and panels) toward the front side.

3. The side fitting should be pulled out upward.

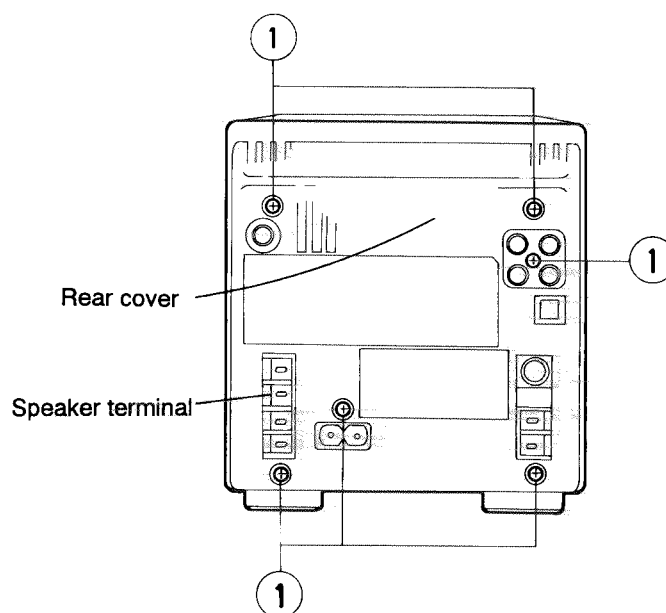


Fig. 5-1

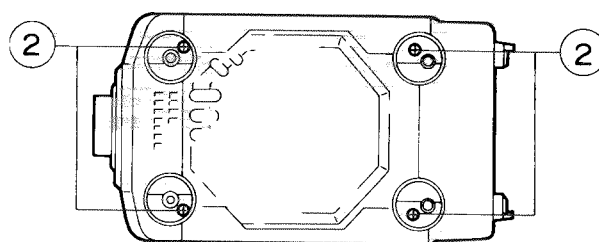


Fig. 5-2

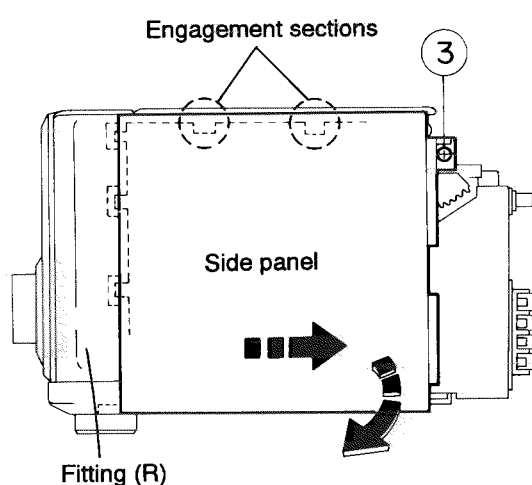


Fig. 5-3

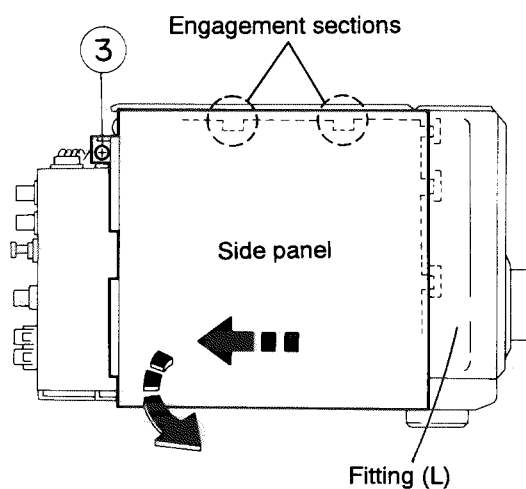


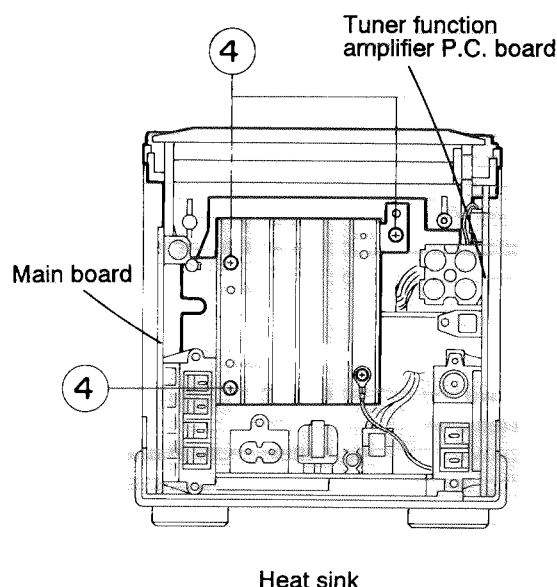
Fig. 5-4

■ Removing the CD player assembly

(See Figs. 5-5~5-7)

1. Remove the rear cover from behind the body.
2. Remove the side panels and fittings (L and R).
3. After removing the three screws ④ from behind the body, dismount the heat sink.
4.
 - From the side of the body, remove the two screws ⑤ retaining the CD player assembly.
 - Remove the one screw ⑥ retaining the tuner function amplifier P.C. board.
 - Remove the connector wires from the connectors CN643 and CN635 on the tuner function amplifier P.C. board, and then remove the card wires connected to the connector CN631 CD amplifier P.C. board.
 - Remove the connector wire from the connector CN301 on the main board.
5. Remove the CD player while pulling it out toward the rear side.
Then, the connector CN801 connected to the connector CN781 on the LCD microcomputer P.C. board of the front assembly will be disconnected at the same time.

※ To ensure easy assembly of the CD player assembly, temporarily remove the tuner function amplifier P.C. board, and after mounting the CD player assembly, assemble the tuner function amplifier P.C. board.



Heat sink

Fig. 5-5

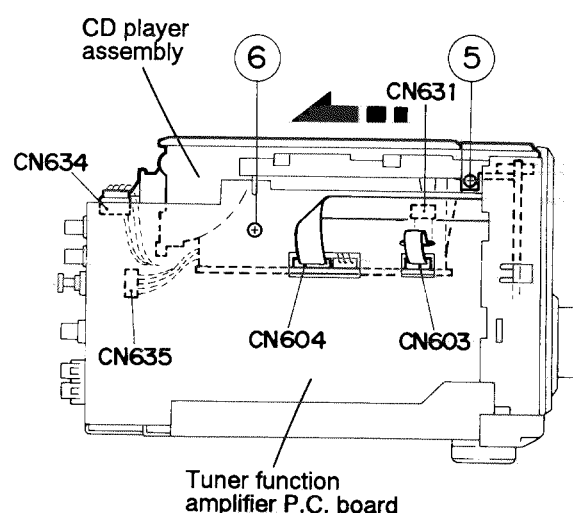


Fig. 5-6

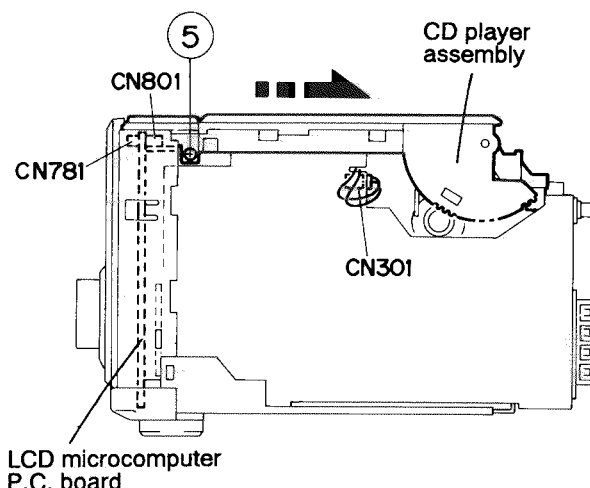


Fig. 5-7

■ Removing the CD player section

(See Figs. 5-8-5-13)

1. Remove the CD player assembly.
2. Removing the CD amplifier assembly
 - Remove the two screws ⑦ retaining the shield.
 - Remove the remaining two screws retaining the CD amplifier P.C. board.
 - Remove the card wire from the connector CN602 on the CD amplifier P.C. board connected to the CD mechanism, and also the card wire from the connector CN601.
3. Removing the CD mechanism assembly
 - Remove the four screws ⑧ retaining the CD motor drive P.C. board.
4. Removing the CD motor drive P.C. board
 - Remove the two screws ⑨ retaining the CD motor drive P.C. board.
 - After disengaging the belt from the motor pulley, remove the CD motor drive P.C. board.
5. Removing the CD door assembly
 - Disengage the two engagement sections on both the right and left sides of the CD door while expanding the sections outward.
6. Removing the operation switch P.C. board
 - Remove the top panel while expanding the right and left side pawls outward.
 - Remove the operation switch P.C. board upward.

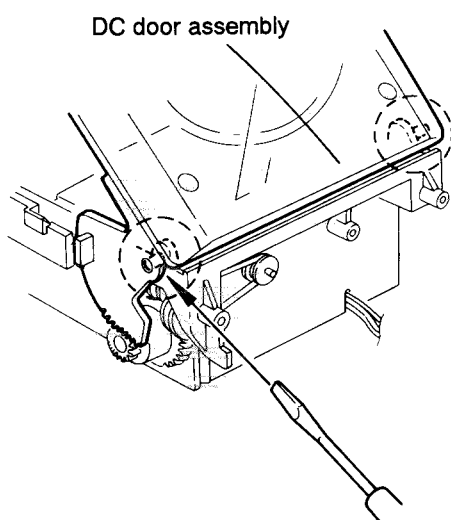


Fig. 5-10

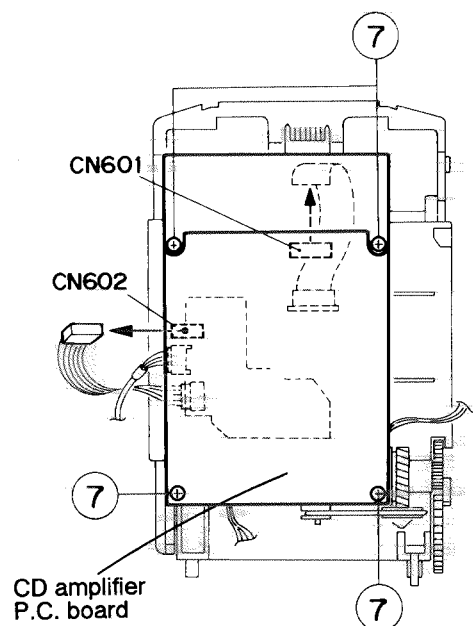


Fig. 5-8

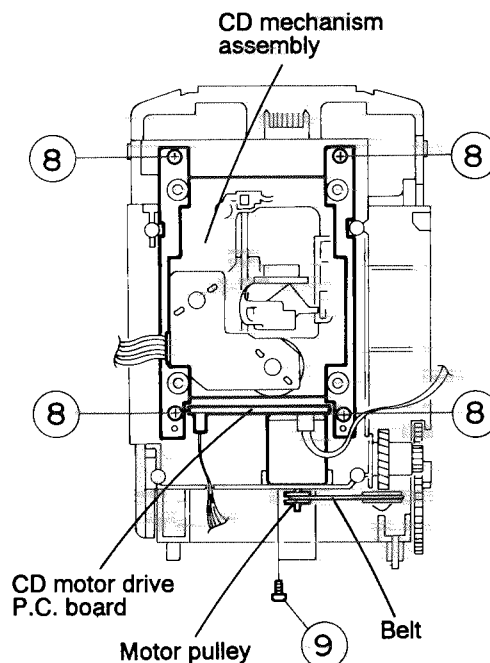


Fig. 5-9

■ Removing the tuner function amplifier P.C. board (See Figs. 5-14-5-16)

- Remove the connectors CN633 and CN632 on the tuner function amplifier P.C. board by pulling them out respectively from the front assembly.
- Remove the card wire from the post pin W6001 on the tuner function amplifier P.C. board.

■ Removing the main board

1. Remove the earth wire from the post pin CN531 on the main board.
2. Disconnect the main connector CN300 on the main board connected to the power supply P.C. board while expanding the main board outward.
3. Disconnect the connectors CN302 and CN303 on the main board toward the rear side by pulling the connectors out from the front assembly.

■ Removing the power supply P.C. board

1. After removing the two screws ⑩, disconnect the connector CN903 on the power supply P.C. board connected to the main board.
2. From the connectors CN902 and CN901, remove the connector wires outgoing from the power supply transformer.
3. While disengaging the power supply P.C. board and holder engagement, remove the power supply P.C. board.

■ Removing the power supply transformer assembly

- Removing the four screws ⑪. From the connectors CN902 and CN901 on the power supply P.C. board, remove the connector wire connected to the power supply P.C. board.

※ For assembly, position the primary side upward, and perform assembly of the respective parts.

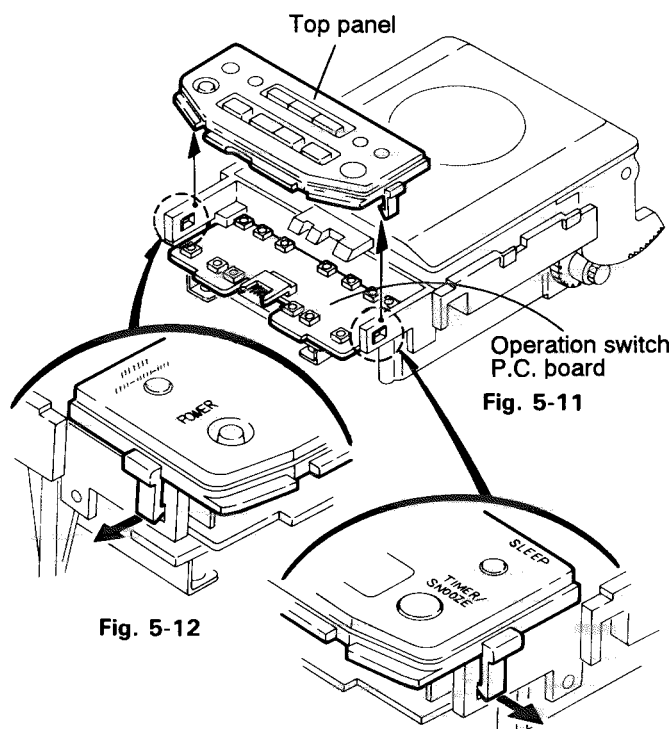


Fig. 5-12

Fig. 5-13

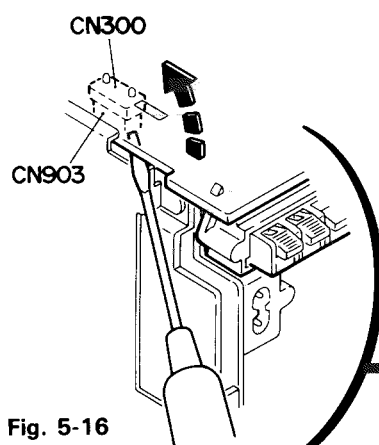


Fig. 5-16

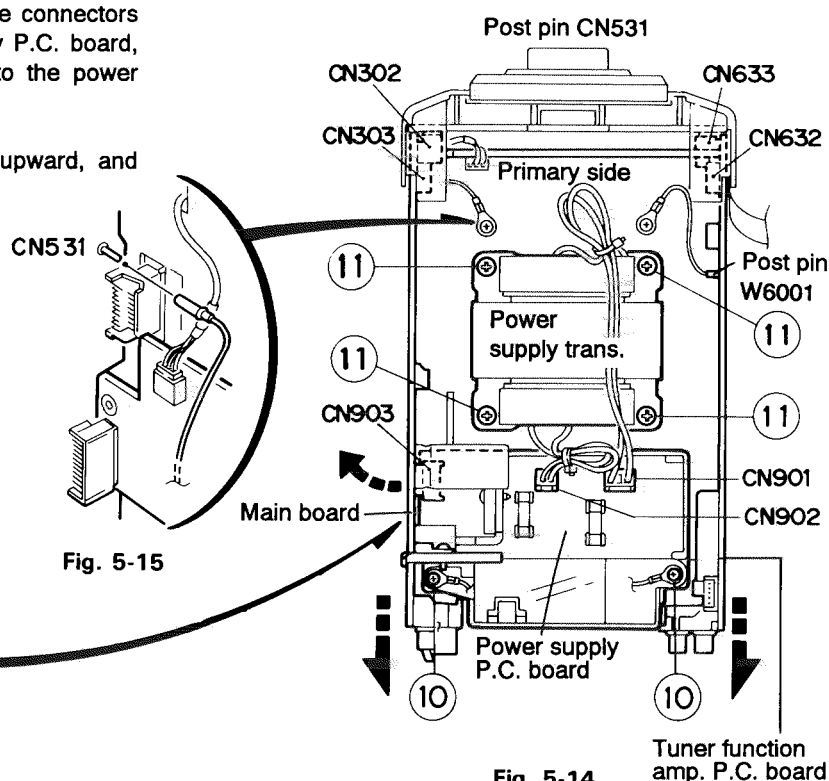


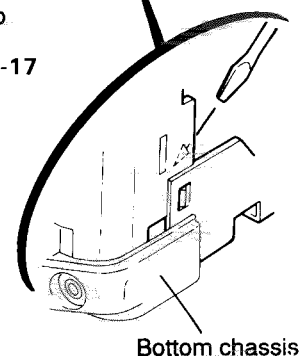
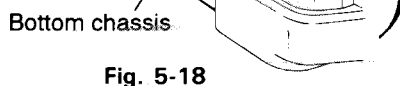
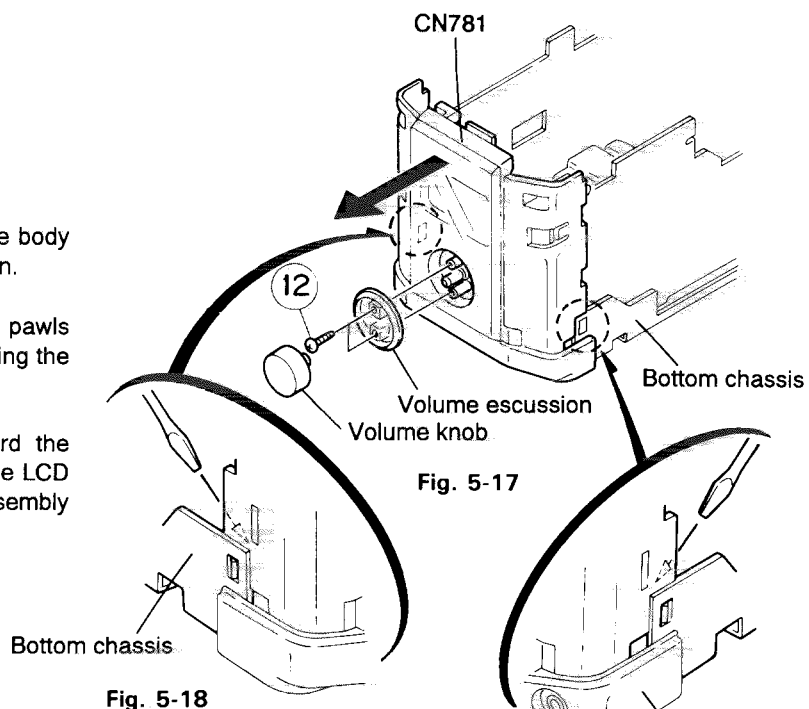
Fig. 5-15

Fig. 5-14

■ Removing the front assembly

(See Figs. 5-17~ 5-19)

1. Remove the rear cover from behind the body.
2. Dismount the CD player assembly.
3. Remove the side panels and fittings (L and R).
4. After removing the knob from the front face of the body and two screws ⑫, dismount the volume escusion.
5. By using a driver and other tool, remove the two pawls provided on both the right and left sides for engaging the front assembly and bottom chassis.
6. After removing the front panel assembly toward the front side, disconnect the connector CN781 on the LCD microcomputer P.C. board from the CD player assembly at the same time.



Removing the tuner switch EL driver P.C. board and microcomputer P.C. board (See Figs. 5-20 and 5-21)

1. • While expanding the engagement sections ③ and ④ with the front cabinet, remove the tuner switch EL driver P.C. board.
 - Remove the connector wire from the connector CN503 connected to the LCD microcomputer P.C. board.
2. • Remove the one screws ⑬.
 - While expanding the engagement sections ③ and ④ with the front cabinet to outside, remove the LCD microcomputer assembly.

Assembly method

1. Insert the power supply P.C. board into the engagement section of the power supply P.C. board holder, assemble the power supply P.C. board on the bottom chassis together with the power supply P.C. board holder.
2. Subsequent to mounting the power supply transformer, the secondary side connector wire outgoing from the power supply transformer and the primary side connector wire on the power supply P.C. board should be connected respectively to the connectors CN902 and CN901 on the power supply P.C. board.
3. Connect the connector CN300 on the main board to CN903 on the power supply board, and assembly the main board on the bottom chassis.
4. Engage the front assembly exactly to the pawl at the engagement section of the bottom chassis, and connect the connectors CN302 and CN303 on the the main board respectively to the connector CN711 on the LCD microcomputer P.C. board of the front assembly and the connector CN501 on the tuner switch EL driver P.C. board.
5. Assemble the CD player assembly while plugging the connector CN801 on the operation switch P.C. board of the CD player assembly to the connector CN781 on the LCD microcomputer P.C. board of the front assembly.
6. Plug in the connectors CN633 and CN632 on the tuner function amplifier P.C. board to the connector CN502 on the tuner switch EL driver P.C. board of the front assembly and CN761 on the LCD microcomputer P.C. board.

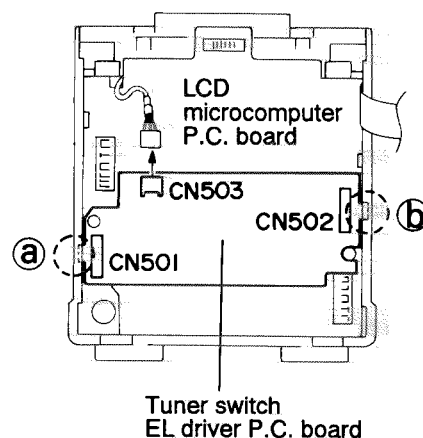


Fig. 5-20

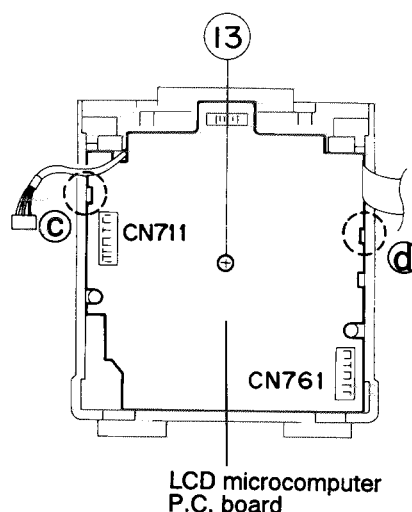


Fig. 5-21

6. Main Adjustment

■ Test Instruments required for adjustment

1. Low frequency oscillator
(Frequency range: 50Hz to 20kHz)
(Output : 0 dBs across 600 Ω terminating resistor)
2. Attenuator(Impedance : 600 Ω)
3. Test disc : CTS – 1000(Audio)
: CTS – 1000 & CRG – 1211S(Optical Control)
4. Extension cord : EXTUX1000– JIG
5. Electronic voltmeter
6. Distortion meter
7. Jitter meter : NJM631
8. TE offset meter : LTM9055

■ Measuring conditions (Amplifier section)

Supply voltage AC110/127/230V (50/60Hz)

Reference output level :Speaker
0 dBs (0.775V) / 4 Ω
: Headphone
– 10dBs (0.245V)/ 32 Ω
:Line out
300mV(– 8.2dBs)/ 47k Ω

Standard test frequency
: 1kHz unless otherwise specified

Reference input level.....AUX – 8dBs

Output for measuring, unless otherwise specified

: at speaker terminal J3003(Dummy load :4 Ω)

Posture of test..... Horizontal

● Standard position of function switches

Function switch to AUX

Active hyper– bass prop switch to off

● Standard position of volume control

Bass treble to center / flat position

Main volume adjust 0 dBs output position

● Test remarks

1. Negative side of the input and output terminals of the testing set, shall be isolated from each other. The negative side should not be commonly connected when a 2channel electronic voltmeter is connected.
2. A dummy load shall be connected to the output

terminal and the lead wires of dummy load shall be as thick as possible.

■ Measuring condition (Tuner section)

Rating source DC 12V

Power source to tuner : DC5.3V

Reference output..... Speaker : 60mW(0.49 V / 4 Ω)

Headphone : 0.066mV/ 32 Ω

AM modulation 400Hz, 30%

FM modulation 400Hz deviation 22.5kHz

● Standard position of switches and controllers

Function switch to RADIO

Mode switch to STEREO

Bass 0 center position

Treble 0 center position

Active hyper– bass prop switch.....to off

● Tuner input position

LW / MW : Standard loop antenna

FM : Hot TP1(Extension terminal)

: GND TP2 Extension terminal)

● Arrangement of loop antenna

When measuring keep the loop antenna away from the set more than 20cm .In case a test item is affected by small noise (Ex. Quieting sensitivity more than 30cm is necessary.)

● Remarks for alignment

1. Connect 30 pF capacitor and 33 k Ω resistor to the output terminal of the IF sweeper in series while 0.082 μ F capacitor and 100k Ω resistor to the input terminal in series.
- 2.Set the output level of the IF sweeper as low as adjustable.
- 3.IF alignment is not necessary for both AM and FM MPX alignment is not necessary either. All IFTs and MPX coil are non– adjusting type.

■ How to Connect the Extension Cord (EXTUX1000- JIG)

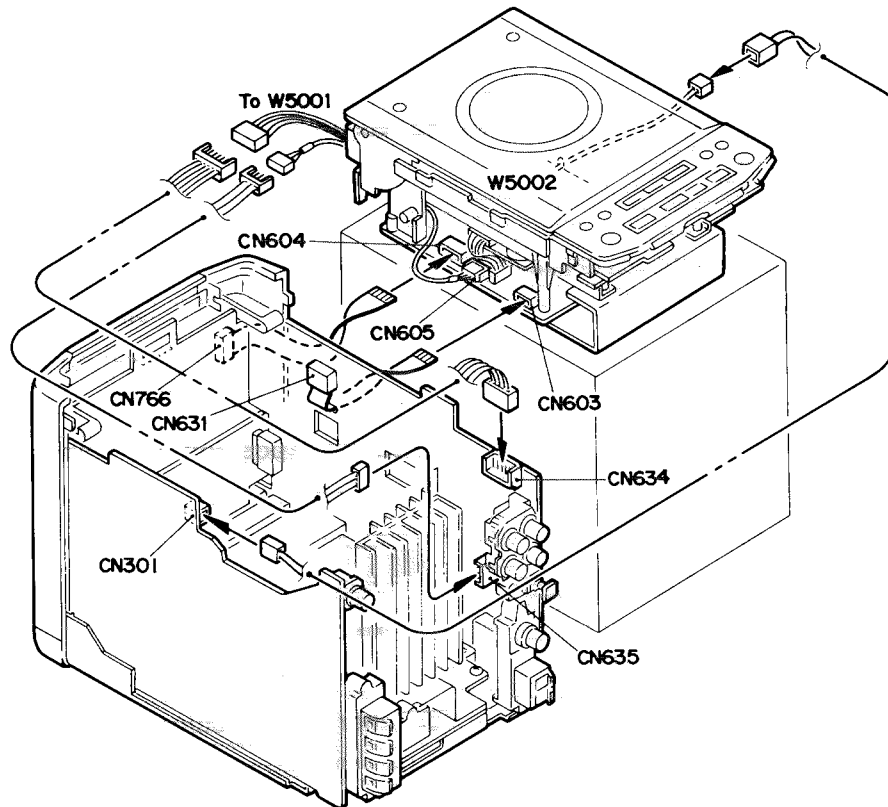


Fig. 6-1

■ Arrangement Checking Test Point

(CD Amplifier board)

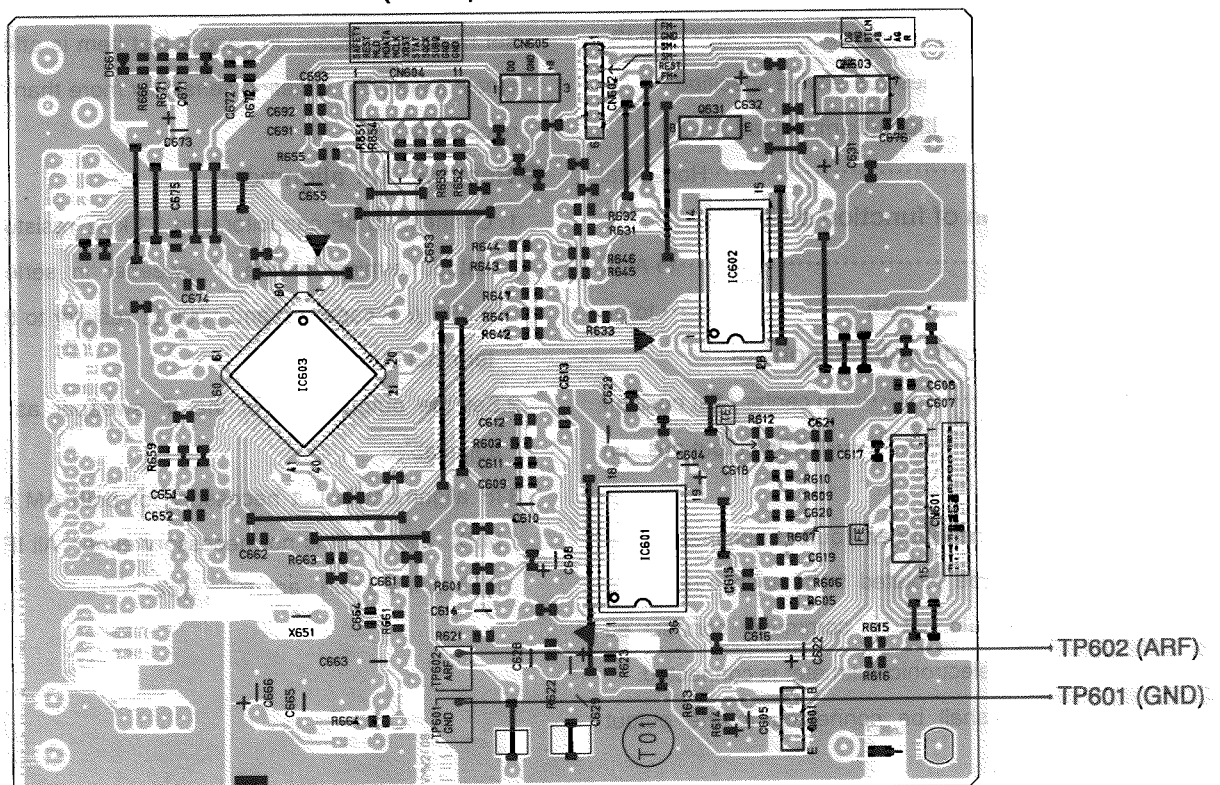
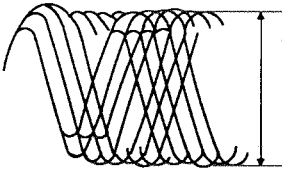


Fig. 6-2

■ Amplifier section

Items	Conditions	Adjustment and Confirmation procedure	Standard Value	Adjusting
1. Amplifier gain check	•Measuring instrument : Oscilloscope •Measuring point : AUX IN : Speaker terminal	Input the 1kHz to AUX IN. Main volume is maximum. When speaker output becomes 0dB, input is $-19\text{dB} \pm 4\text{dB}$.	$-19\text{dB} \pm 4\text{dB}$	—
2. Noise level check	•Measuring instrument : Oscilloscope : Voltmeter •Measuring point : AUX IN : Speaker terminal	• Switch and volume position Function switch : AUX. Bass treble : flat When main volume becomes maximum, confirm that speaker output is less than 4mV. When main volume becomes minimum, confirm that speaker output is less than 2mV.	Less than 4mV Less than 2mV	—
3. Line output check	•Measuring instrument : Oscilloscope : Voltmeter •Measuring point : AUX IN : Line out terminal •Test disc : CTS-1000	When test disc (track 1) is played, confirm that Line out is $+4\text{dBs} \pm 4\text{dB}$.	$+4\text{dBs} \pm 4\text{dB}$	—
4. Sub woofer output check	•Measuring instrument : Oscilloscope : Voltmeter •Measuring point : AUX IN : Sub woofer output terminal •Test disc : CTS-1000	Input the reference frequency 100Hz from AUX IN. By main volume is maximum position, bass and treble is flat position, confirm the sub woofer output is $-14\text{dBs} \pm 4\text{dB}$.	$-14\text{dBs} \pm 4\text{dB}$	—

■ CD section

Items	Conditions	Adjustment and Confirmation procedure	Standard Value	Adjusting
1. Jitter check	•Measuring instrument : Jitter meter •Test point :TP601(GND side) :TP602(ARF side) •Test disc :CTS-1000	Connect the jitter meter between TP601(GND) and TP602(ARF) and when test disc (track 1) is played, confirm that the meter reading is 26n-sec or less.	26n-sec or less	—
2. RF level (eye pattern) check	•Measuring instrument :Oscilloscope •Test point :TP601(GND side) :TP602(ARF side) •Test disc :CTS-1000	Connect the oscilloscope between TP601(GND) and TP602(ARF) and when test disc (track 1) is played, confirm that peak-to-peak value of oscilloscope waveform is within $1.1V \pm 0.2V$. Eye-pattern waveform  The maximum value of this waveform should be in the range of specifications and the waveform should be clear	within $1.1V \pm 0.2V$.	—
3. Outer most area check	•Test disc :CTS-1000	Select "Track 26" on the outer area of test disc directly and check that it begins playback smoothly and that there are no abnormal conditions such as a tracking error.		—
4. Pickup unit movement check (From the outer area to the inner area)	•Test disc :CTS-1000	Allow the pickup to skip over from the disc's outer most area to "Track 1" and check that it takes within 10 seconds for the player to enter play mode.	within 10 seconds	—

7. Troubleshooting

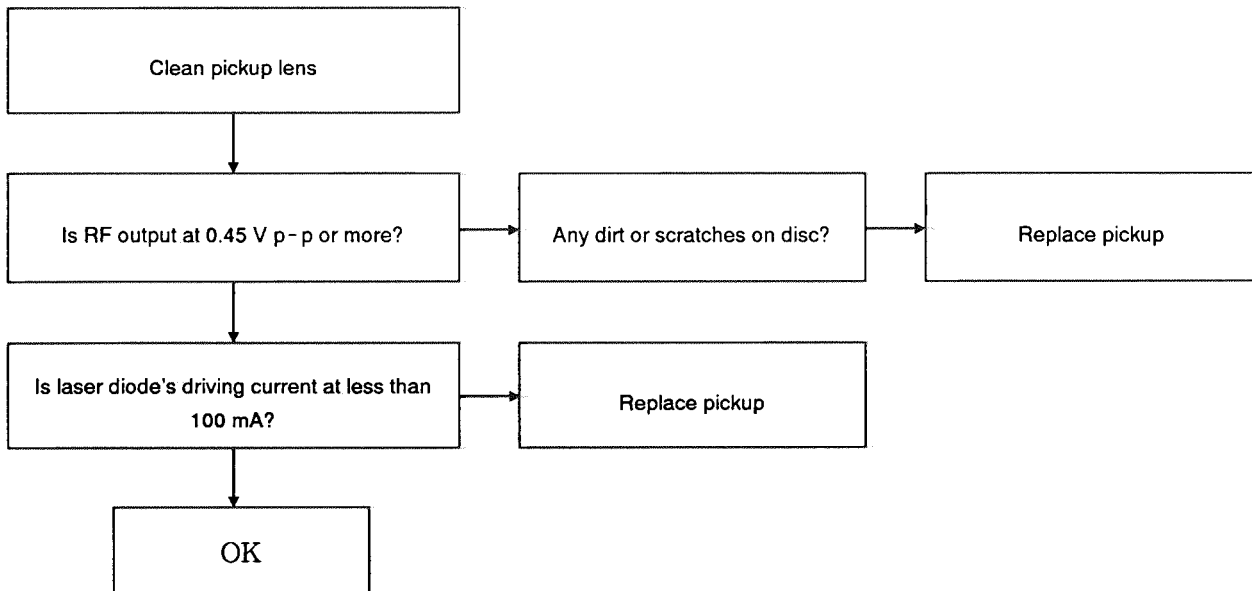
■ Pickup maintenance

(1) Checking the service life of laser diode

If a laser diode reaches the end of its service life, the following phenomena will show up. Similar symptoms may also appear when the pickup lens becomes too dirty. In this case, clean the lens.

- 1) The RF output (between IC601 ⑦ and ⑧ (GND)) lowers.
- 2) The driving current, necessary for the laser diode to emit lights, increases. (Calculate from the voltage level at both ends of the R614 at 10 Ω .)

◆ Following the flow chart shown below, check the service life.



◆ How to measure laser diode's driving current

After connecting a voltmeter at both ends of the R614(10 Ω), measure the voltage during playback. If the voltage level is at 1.0 V or more, the service life of the laser diode has expired.

Laser diode's driving current (A)

= Voltage level at both ends of R614 (V)/10 (Ω)

When voltage level is at 1.0 V:

$1.0 \text{ V} / 10 \Omega = 0.1 \text{ A} = 100 \text{ mA}$

Note:

The laser diode easily breaks down. Be sure to turn the power off before connecting a voltmeter.

◆ HOW TO OPERATE THE CD SELF – DIAGNOSIS FUNCTION

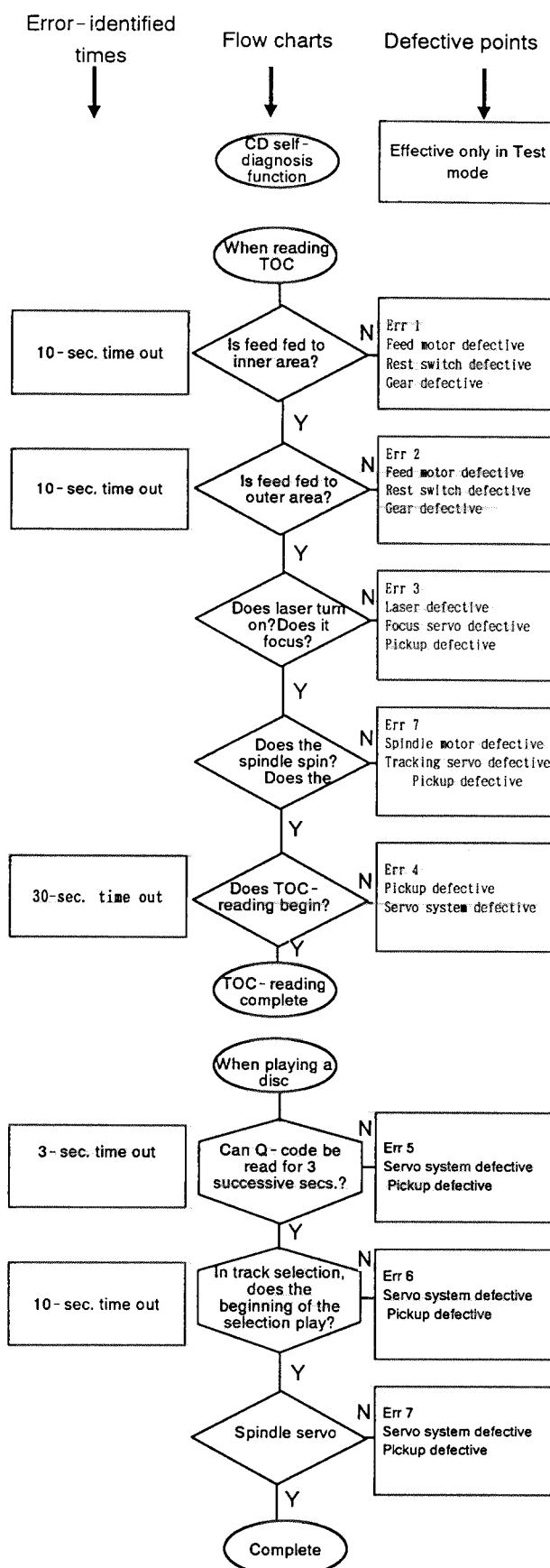
◆ The CD Self – diagnosis Function

If any malfunction occurs in the CD player, this system can be set to make an error code indication appear on the LCD to point out the defective parts. This efficiently helps service personnel find the causes of the malfunction.

1. Operation

- 1 Press the three **■/CLEAR**, **+10** and **POWER** buttons on the remote control to enter the Test mode.
(Then the illuminating portions of the LCD all light up together. This indicates that the system has entered the Test mode.)
- 2 Play a CD. If the operation is defective in any way, an error code should appear on the LCD.
- 3 Identify the point of malfunction in accordance with the error code displayed.

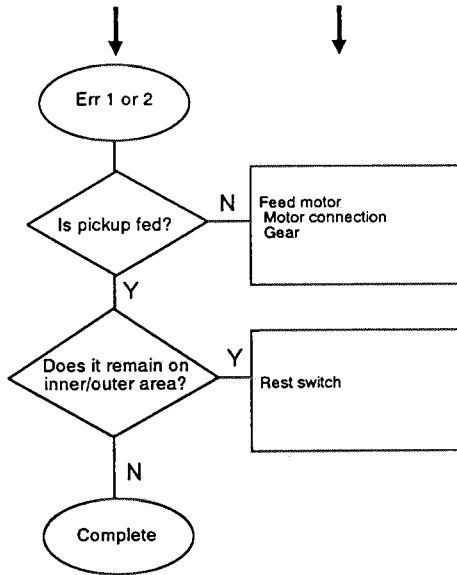
2. Error codes & defective points



Error-identified times
↓

Flow charts

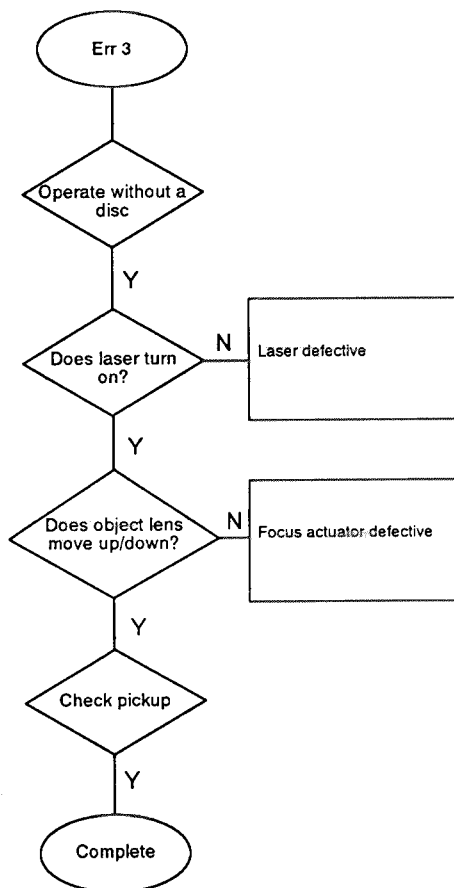
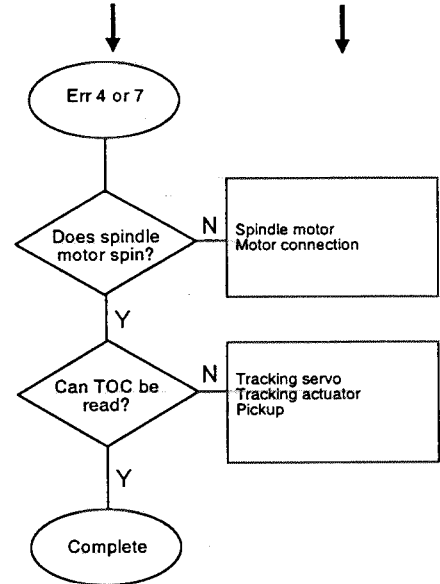
Defective points
↓



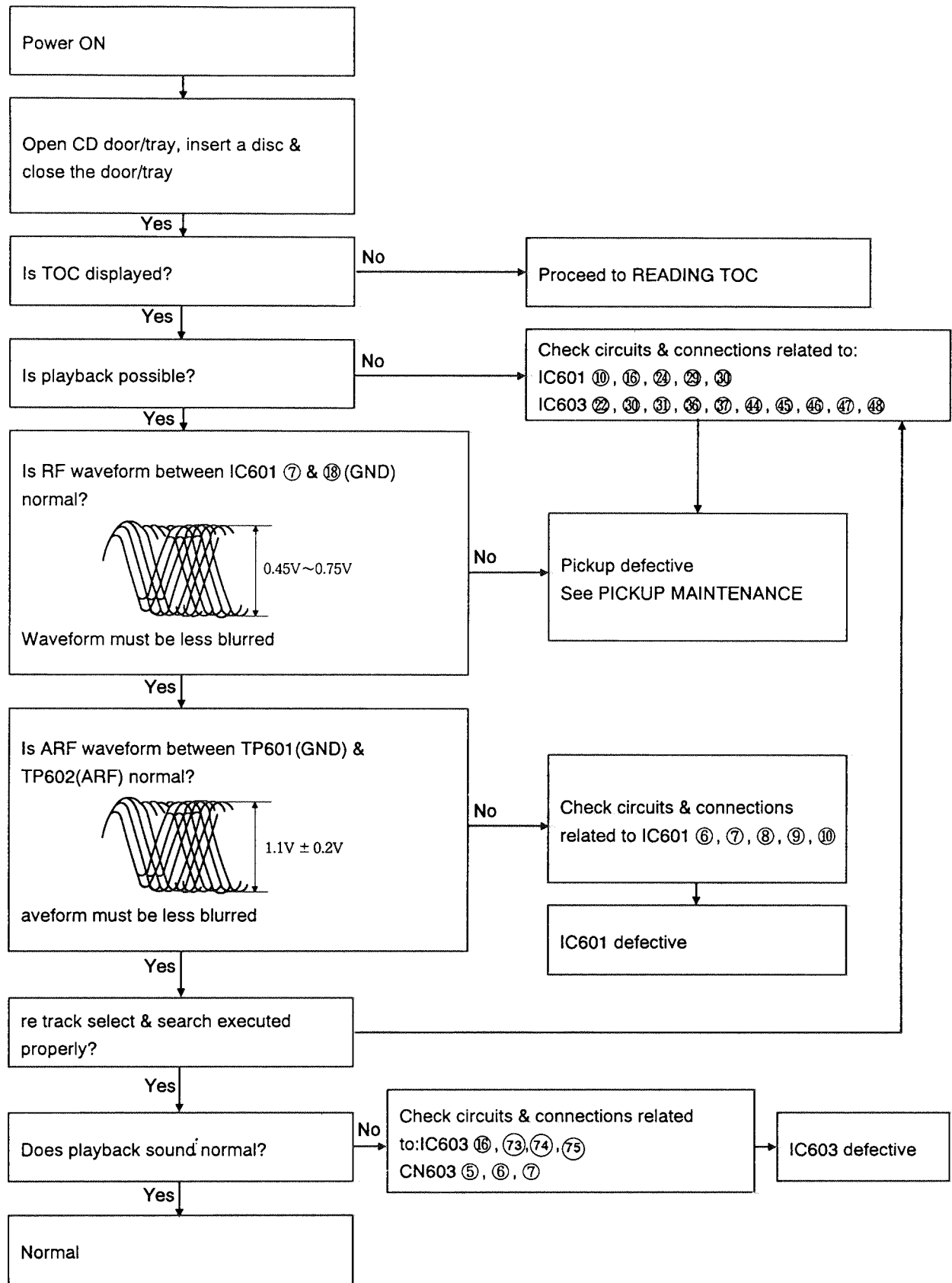
Error-identified times
↓

Flow charts

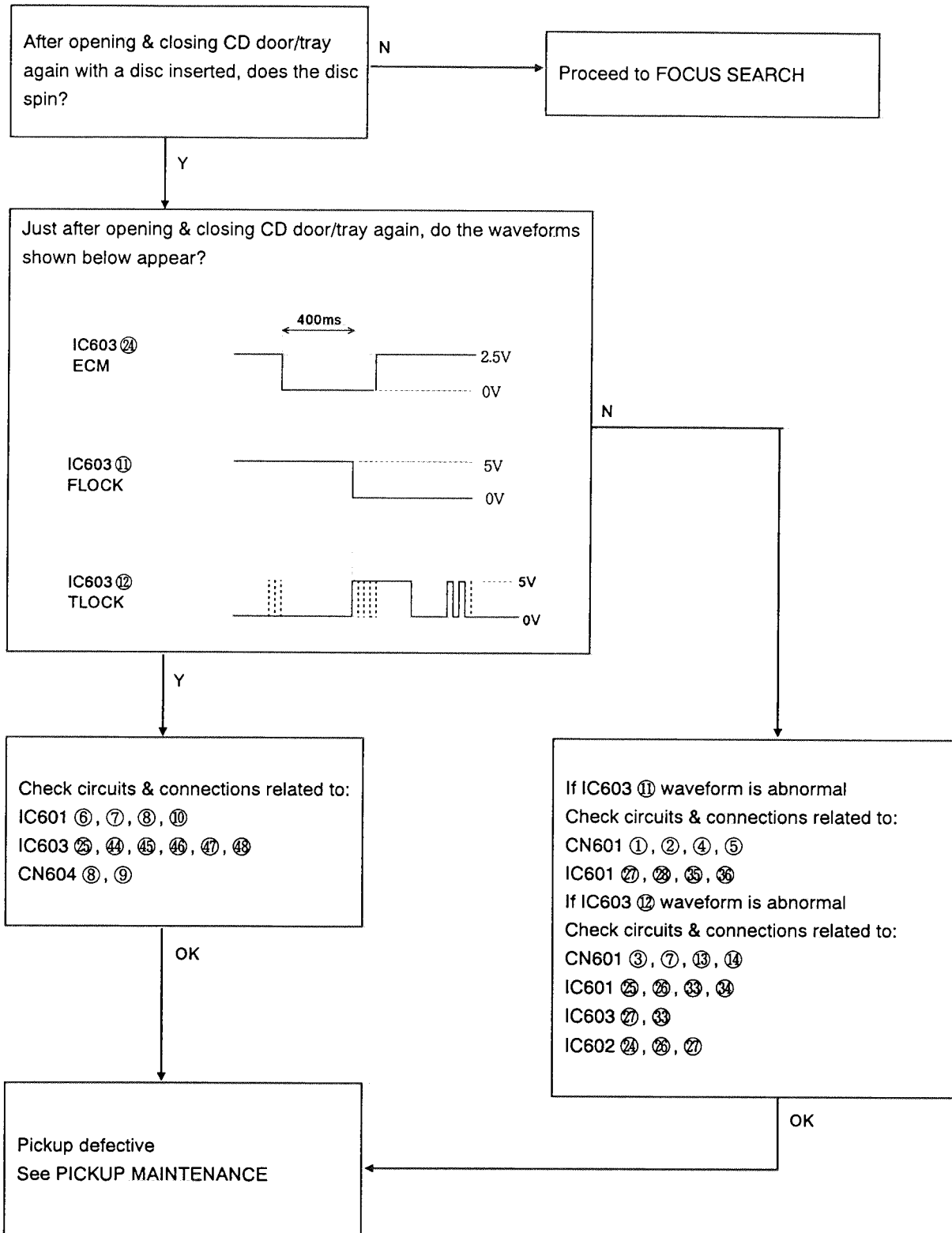
Defective points
↓



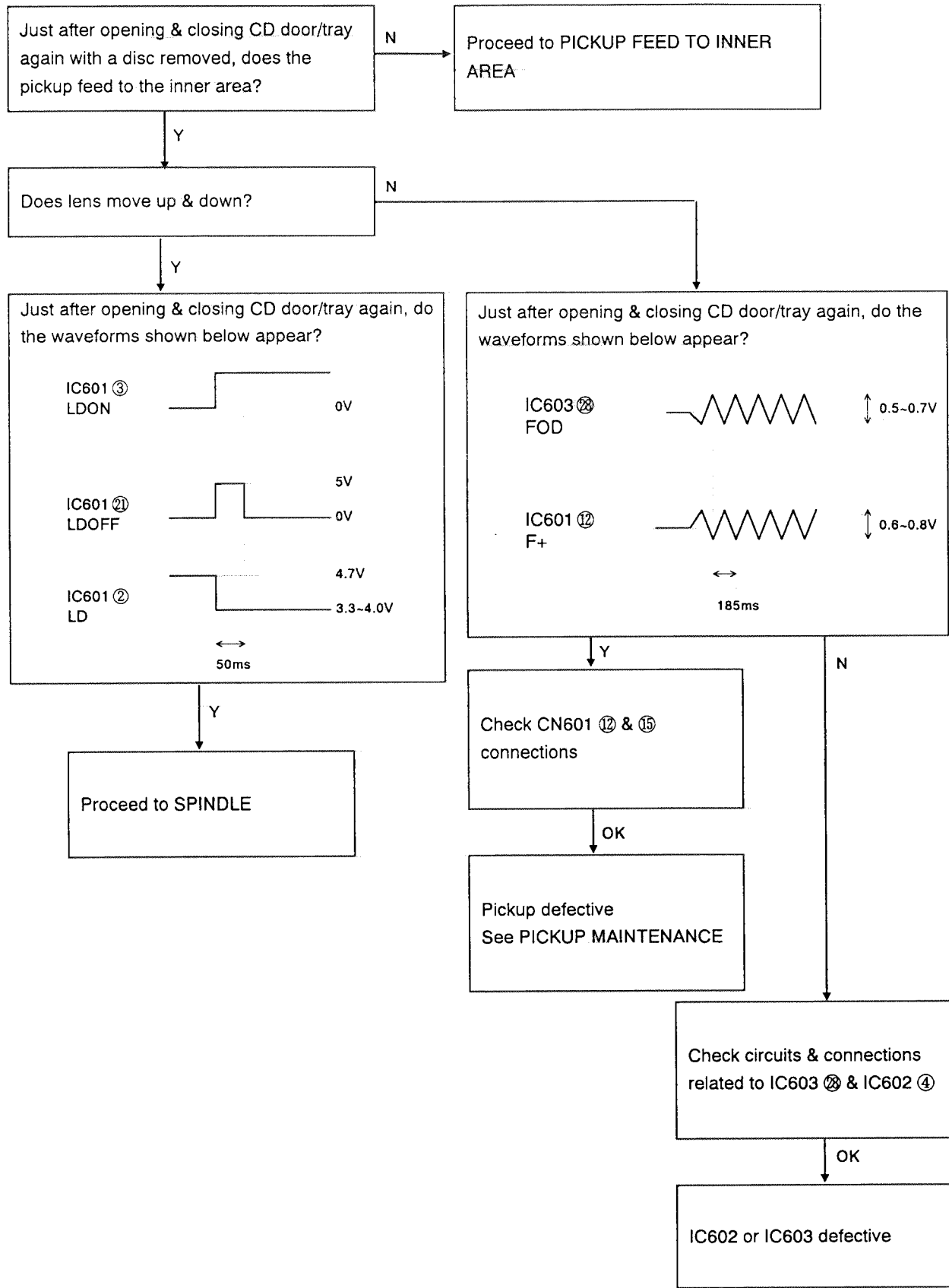
◆ General



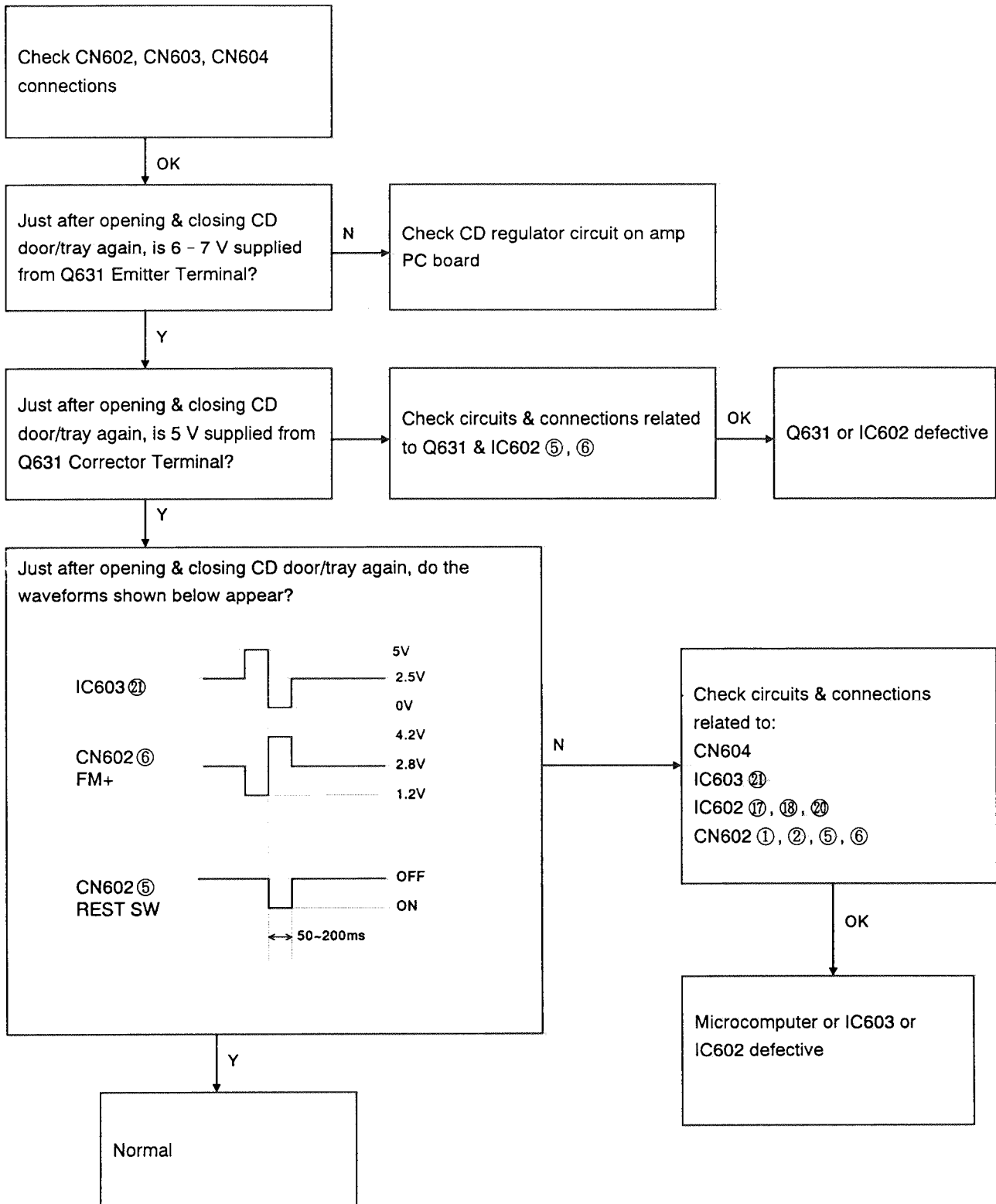
◆ Reading TOC



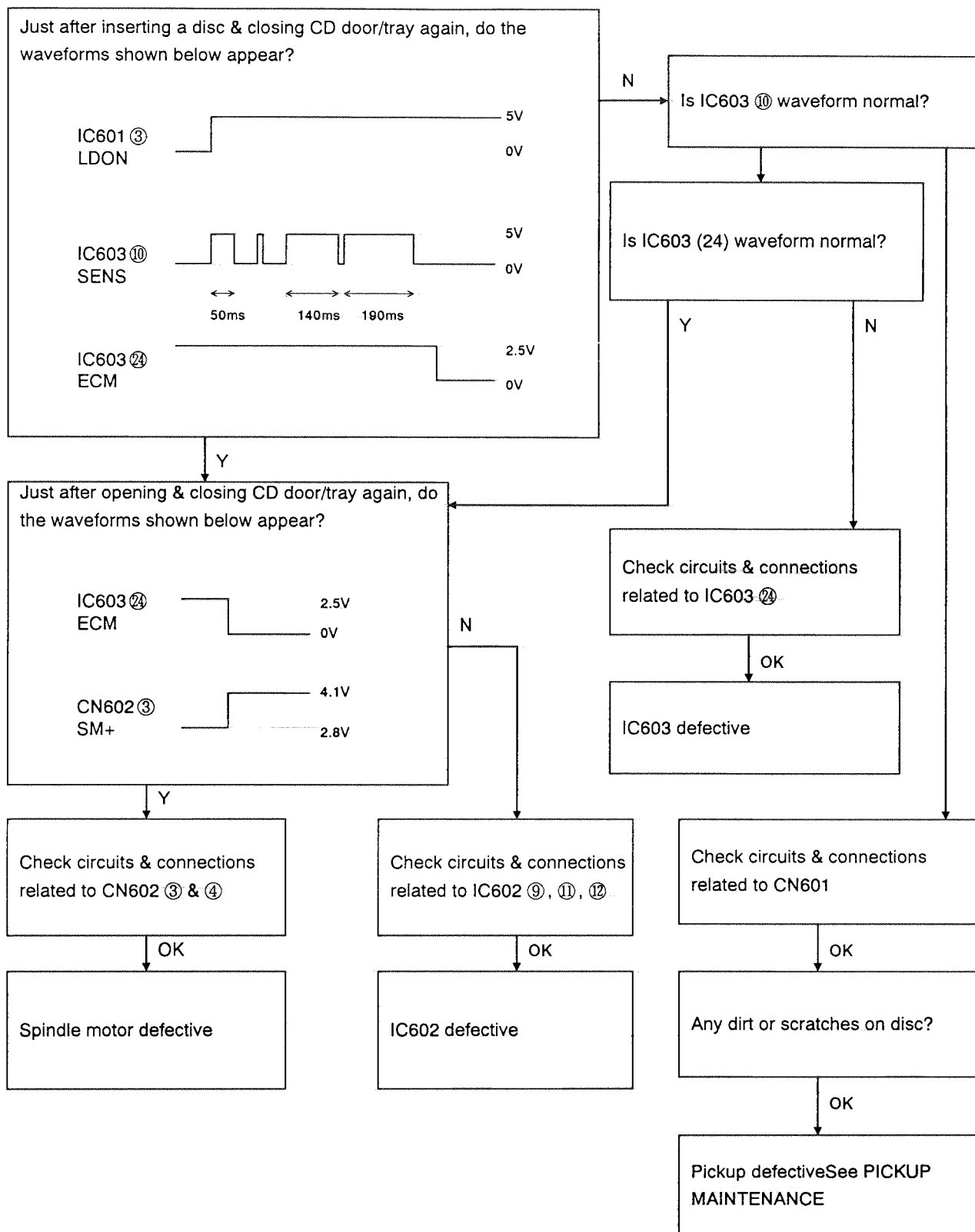
◆ Focus search



◆ Pickup feed to inner area



◆ Spindle



8. Main IC Block Diagram

■ Integrated circuit diagram

■ IC2 (LC72136) PLL

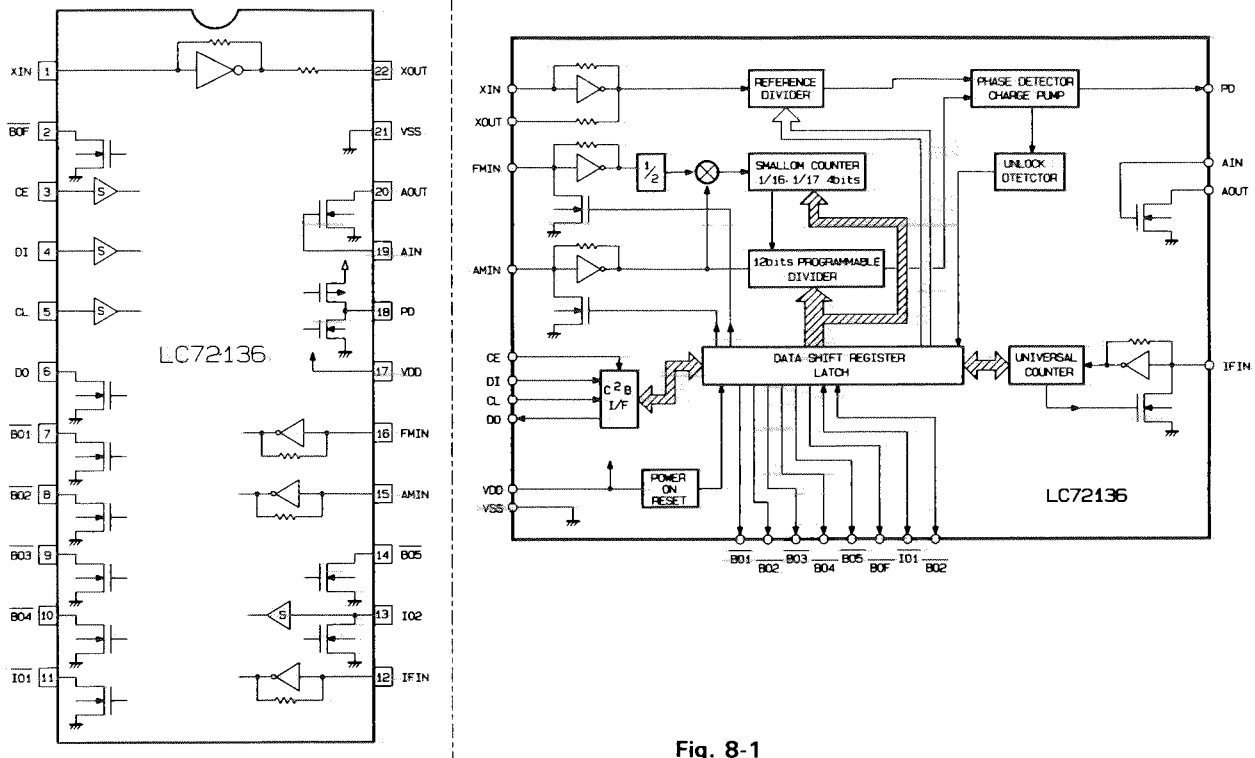


Fig. 8-1

■ IC1 (TA2057N) IF & MPX

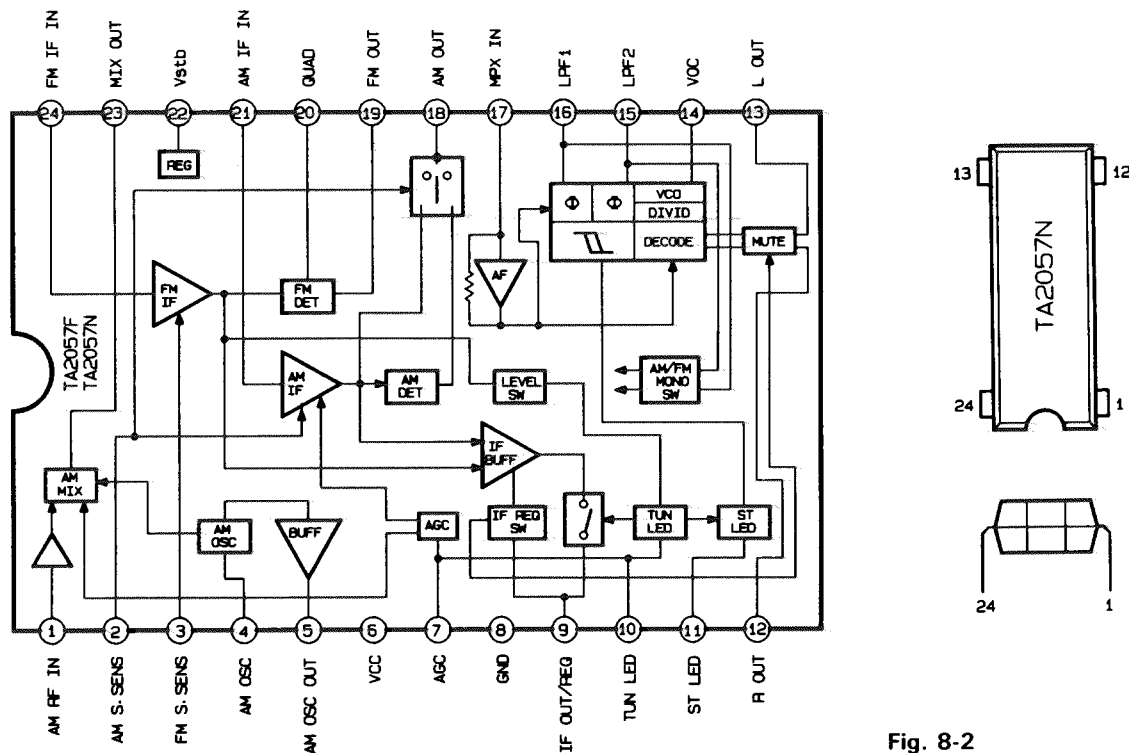


Fig. 8-2

■ IC31: LA4705NA (POWER AMPLIFIER)

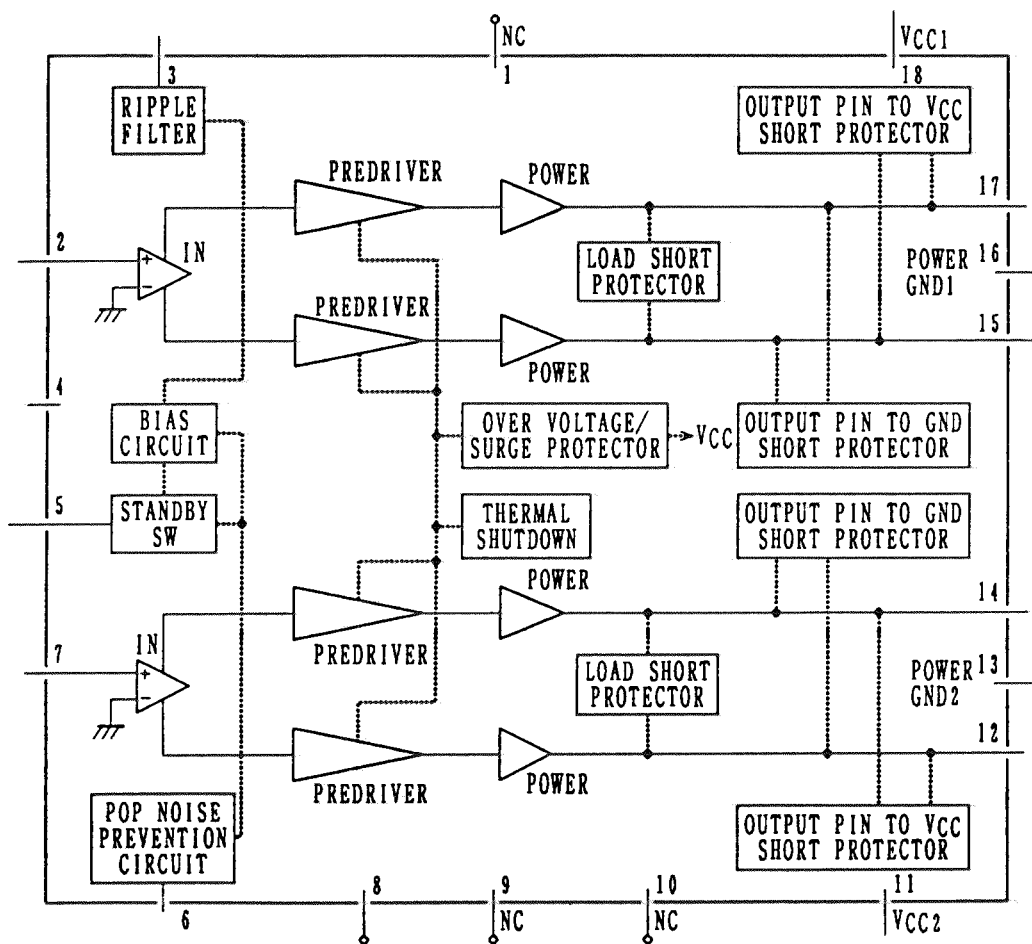


Fig. 8-3

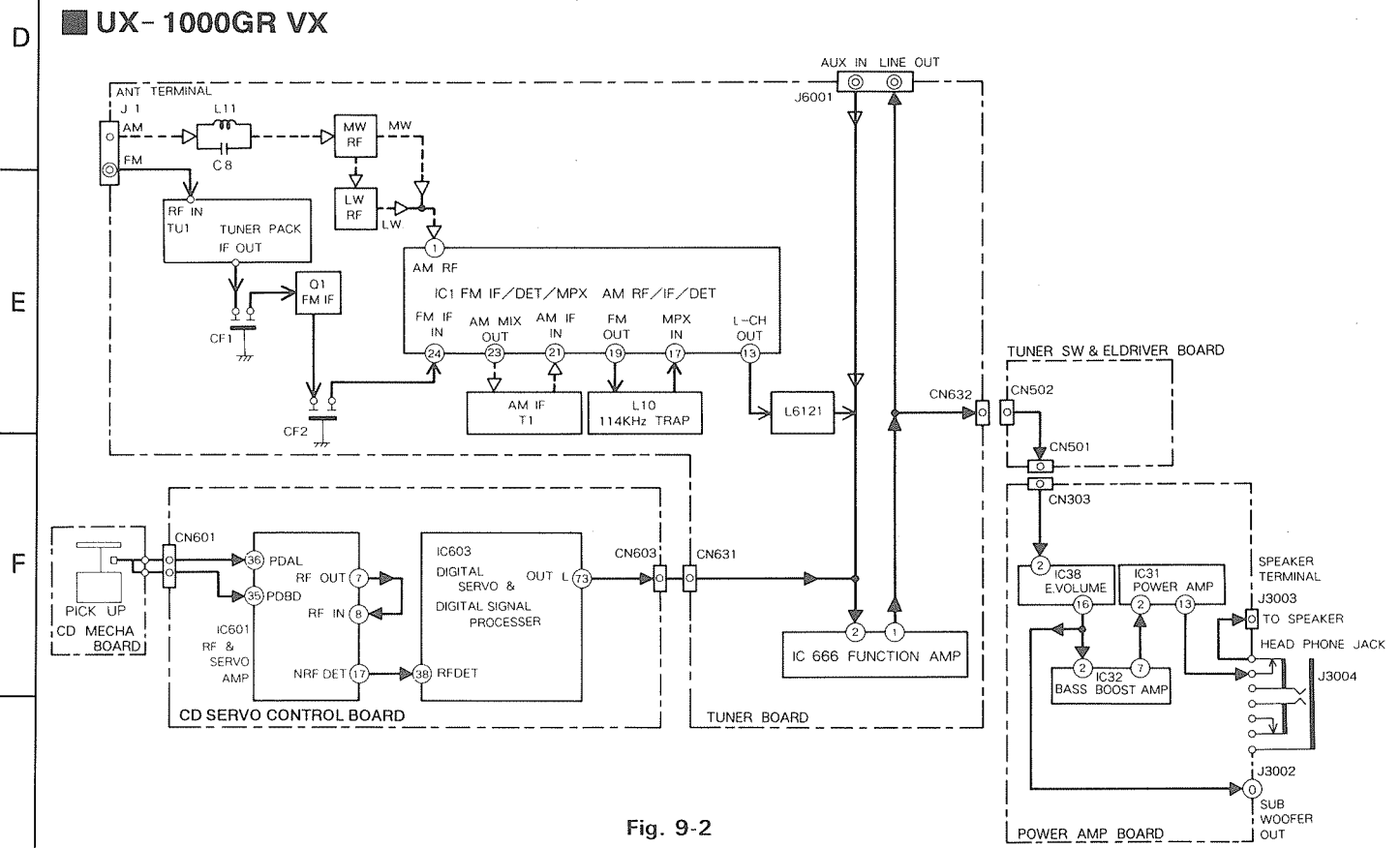
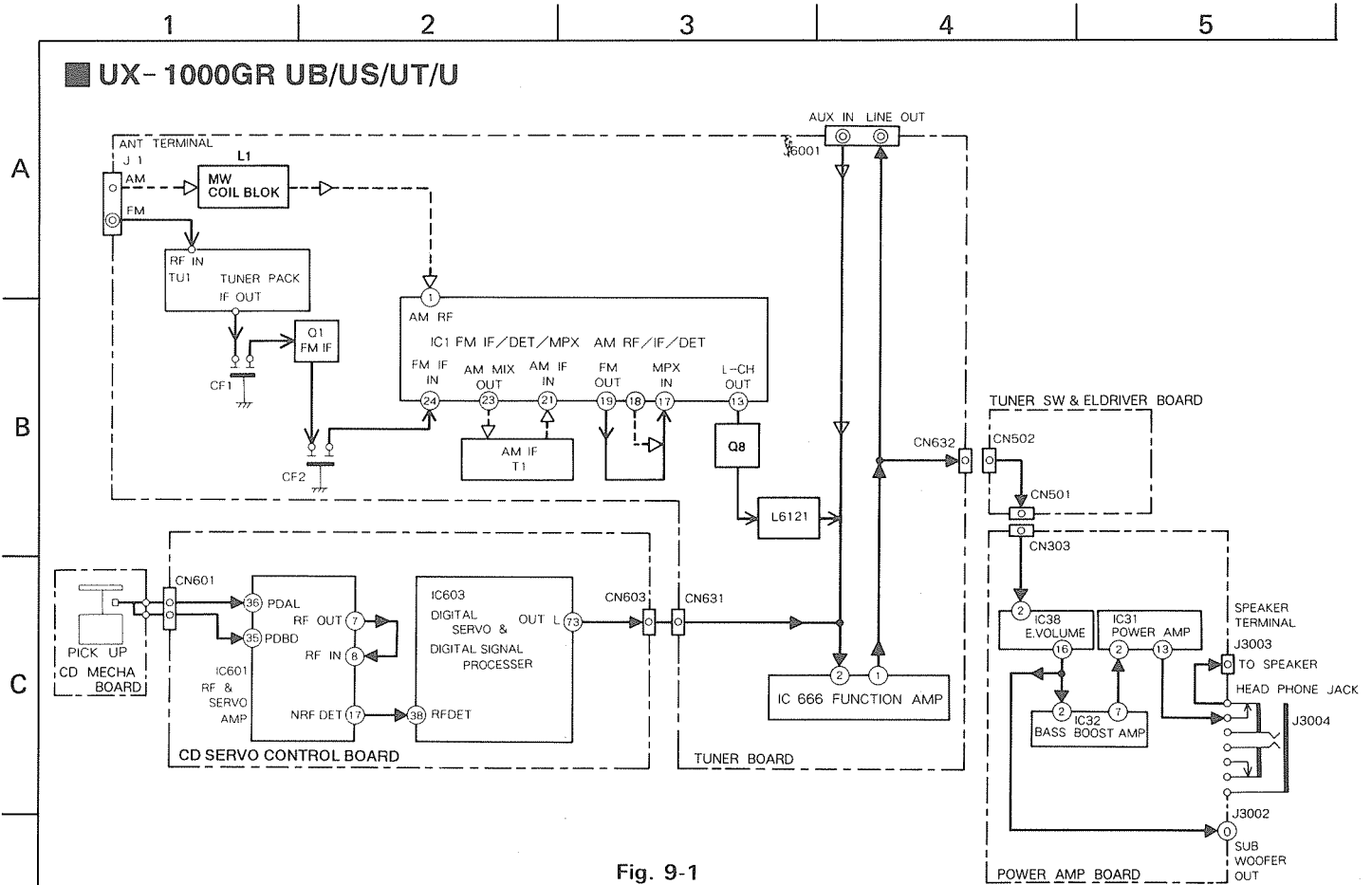
■ IC701 : UPD78063GF Terminal's Function Table

Pin No.	Symbol	I/O	Function
1	SDATA	I/O	Serial data (TUNER PLL)
2	SCK	O	Serial clock (TUNER PLL)
3	SUBQ	I	CD Q cord data
4	NC	O	Non connection
5	SQCK	O	Sincro clock of CD Q cord data
6	IC		Connect to Vss
7	X2		Main system clock 4.19MHz
8	X1	I	Main system clock 4.19MHz
9	Vdd		Power source
10	XT1	I	Sub system clock 32.768kHz
11	XT2		Sub system clock 32.768kHz
12	RESET	I	Reset
13	REM	I	Remote control unit
14	NC	I	Non connection
15	VOL A	I	Volume encoder A
16	BEAT 2	O	Main clock selecttor 2
17	BEAT 1	O	Main clock selecttor 1
18	+ BCTL	O	Switched 5V control (H = 5V off)
19	XRESET	O	CD LSI reset
20	MCLK	O	CD LSI comand clock
21	MDATA	O	CD LSI comand data
22	MLD	O	CD LSI comand load
23	MTO	O	CD door motor
24	MT1	O	CD door motor
25	DIMMER	O	Backlight brilliant (H = normal, L = dimmer)
26	F.AUX	O	Fuction AUX (L = by AUX)
27	AVss		AD convertor ground
28	SAFETY2	I	Detection 2 for avnormal power voltage
29	DOOR	I	Reset/open/close switch
30	SAFETY1	I	Detection 1 for avnormal power voltage
31	SAFETY0	I	Detection 0 for avnormal power voltage
32	KEY 1	I	Set key input 1
33	KEY 0	I	Set key input 0 (Included to Version select)
34	MTS	O	Door motor speed (L = Normal, H = Slow)
35	LO.MUTE	O	Line out mute
36	AVdd		Power source for AD convertor (Vdd = same)
37	AVref		Reference power voltage for AD convertor
38	BUP	I	Distinction of backup power source (H = Backup)
39	F.TUNER	O	Function Tuner
40	Vss		Ground

Pin No.	Symbol	I/O	Function
41	MPX	I	Detection of FM stereo (L = Stereo)
42	PERIOD	O	Stolove of Tuner PLL
43	VOL B	I	Volume encoder B
44	BASS	O	Bass control (PWM)
45	TRE	O	Treble control (PWM)
46	VOL	O	Volume control (PWM)
47	S.BASS	O	S.BASS ON/OFF (ON = L, OFF = H)
48	S.MUTE	O	System mute (mute = L)
49	P.OUT	O	Power on/off
50	F.CD	O	Function CD (CD = L)
51	COM 0	O	LCD Remote control unit terminal 0
52	COM 1	O	LCD Remote control unit terminal 1
53	COM 2	O	LCD Remote control unit terminal 2
54	COM 3	O	LCD Remote control unit terminal 3
55	BIAS		LCD bias power voltage
56	VLC 0		LCD bias power voltage
57	VLC 1		LCD bias power voltage
58	VLC 2		LCD bias power voltage
59	Vss		Ground
60	S0	O	LCD segment 0
61	S1	O	LCD segment 1
62	S2	O	LCD segment 2
63	S3	O	LCD segment 3
64	S4	O	LCD segment 4
65	S5	O	LCD segment 5
66	S6	O	LCD segment 6
67	S7	O	LCD segment 7
68	S8	O	LCD segment 8
69	S9	O	LCD segment 9
70	S10	O	LCD segment 10
71	S11	O	LCD segment 11
72	S12	O	LCD segment 12
73	S13	O	LCD segment 13
74	S14	O	LCD segment 14
75	S15	O	LCD segment 15
76	S16	O	LCD segment 16
77	S17	O	LCD segment 17
78	S18	O	LCD segment 18
79	S19	O	LCD segment 19
80	S20	O	LCD segment 20

[illegible]

9. Block Diagram



10. Wiring Connections

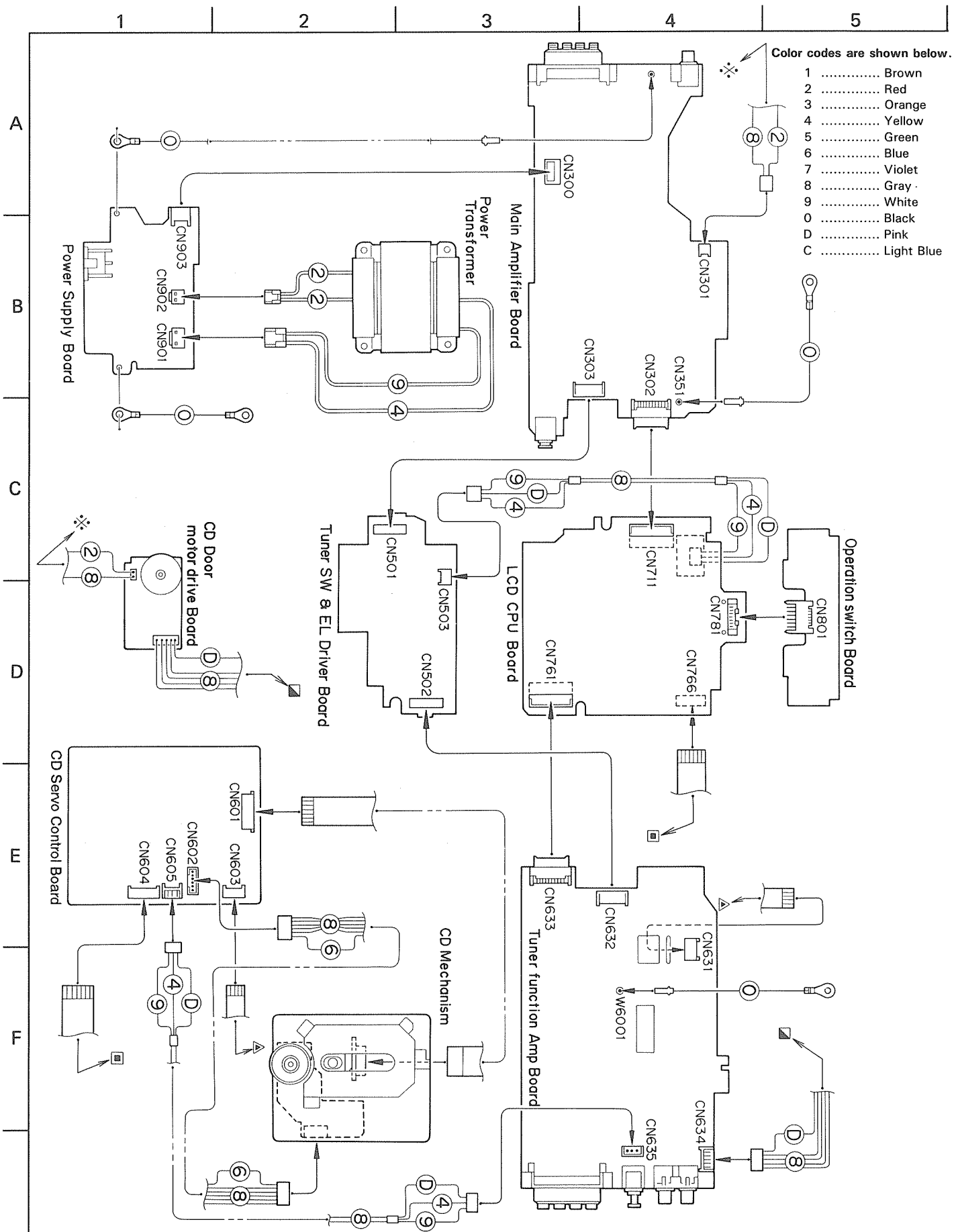
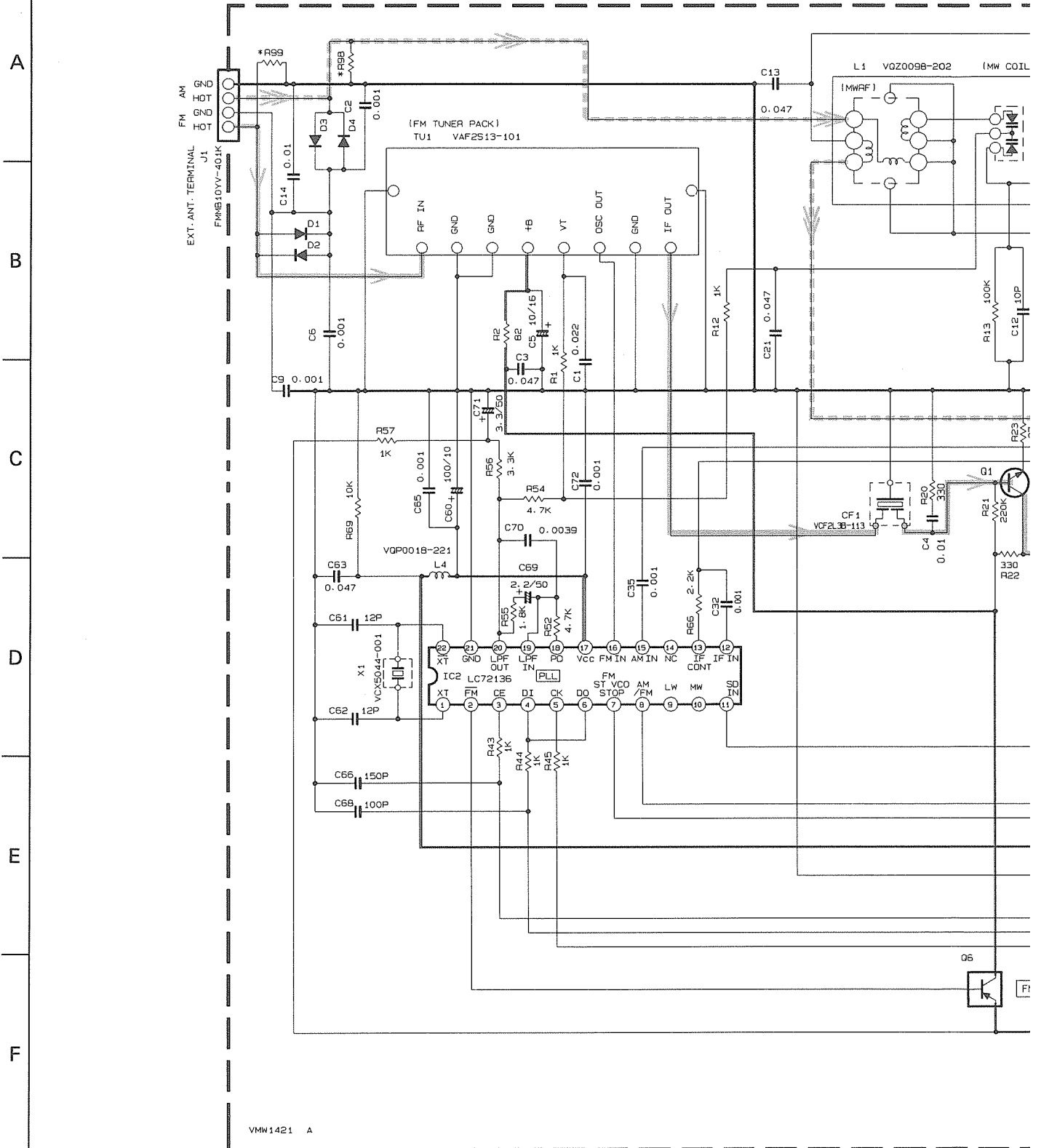


Fig. 10-1

11. Standard Schematic Diagram

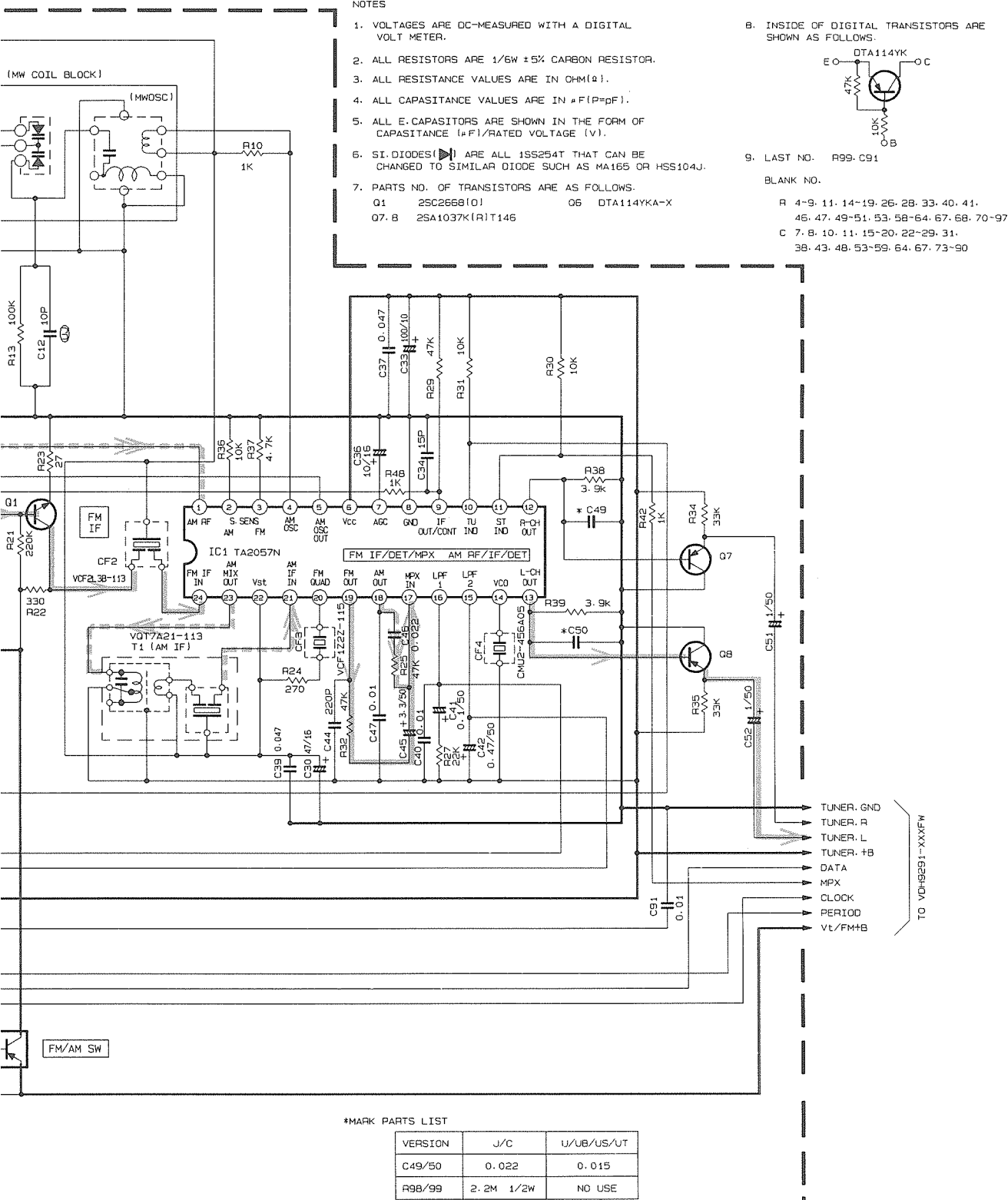
■ Tuner Circuit: Drawing No. VDH9291-006TW (UX-1000GR UB/US/UT/U)



CONDITION	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL	2.0	0.5	0	2.0	5.2	5.2	0	0	0.3	5.2	5.2	1.1	1.1	4.6	3.9	3.9	1.4	0	1.3	1.1	2.0	2.0	5.2	2.0
	FM 609B STEREO	2.0	0.5	0	2.0	5.2	5.2	1.1	0	0.3	0	0	1.1	1.1	4.5	4.1	3.9	1.4	0	1.4	1.1	2.0	2.0	5.2	2.0
	AM NO SIGNAL	2.0	0.5	0	2.0	5.0	5.2	0	0	0.3	5.2	5.2	1.1	1.1	4.8	0.1	0	1.4	1.4	1.5	1.6	2.0	2.0	5.2	2.0
IC2	FM NO SIGNAL	2.4	0	0	5.1	4.9	5.1	3.9	3.9	0	0	5.2	0	0	0	0	2.6	5.2	1.0	1.0	3.7	0	2.7		
	FM 75.0MHz NO																								
AM 531KHz NO																									

Note : VDH9291006TW

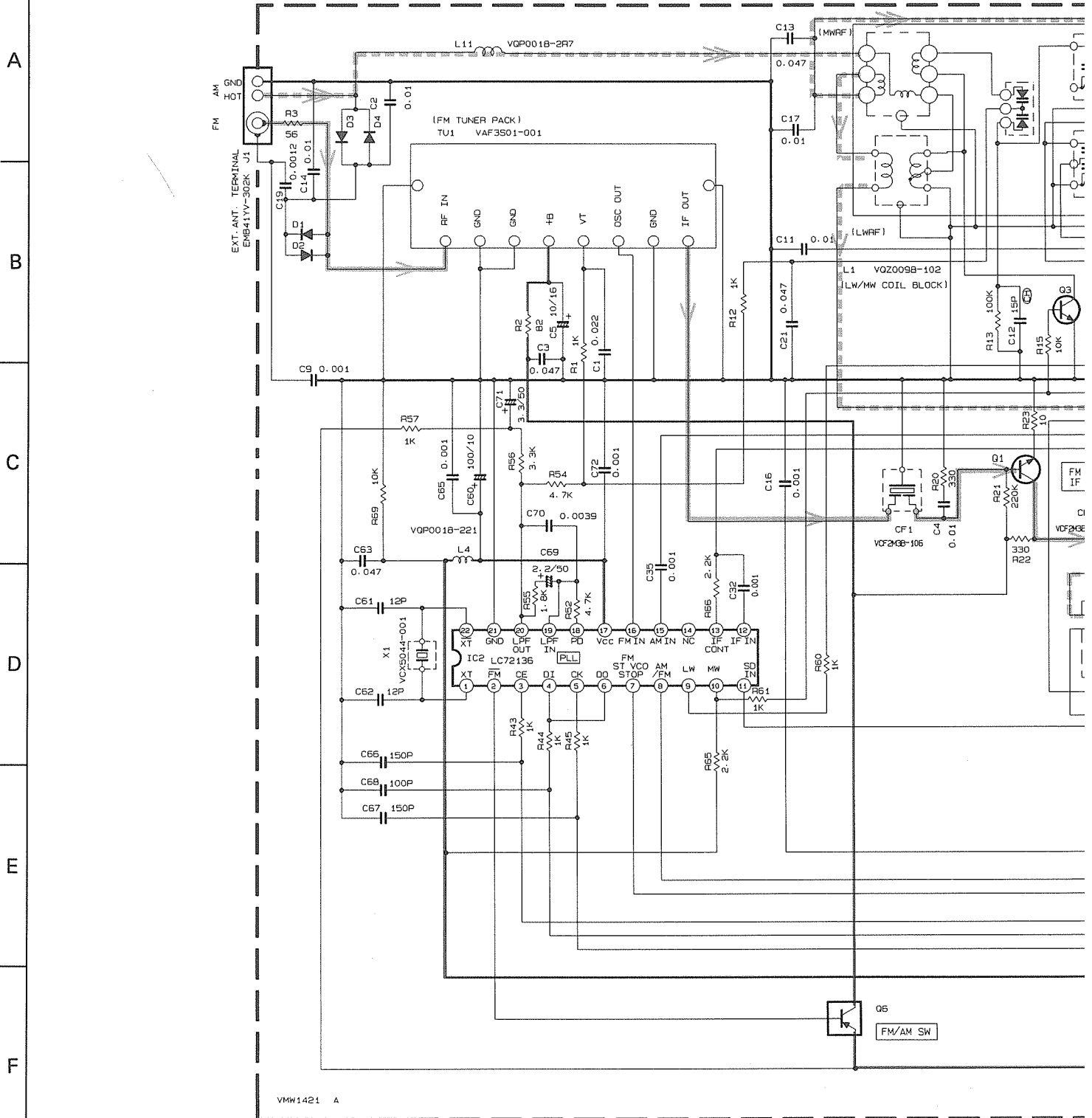
(No. 10006) 44



Tr NO.	Q1			Q6			Q7			Q8		
	E	C	B	E	C	B	E	C	B	E	C	B
76.0MHz NO SIGNAL	0	7.5	0.7	8.8	8.7	0	1.6	0	1.1	1.6	0	1.1
531KHz NO SIGNAL	0	0	0	8.8	0	8.7	1.6	0	1.1	1.6	0	1.1

Fig. 11-1

Tuner Circuit: Drawing No. VDH9291-012TW (UX-1000GR VX)



CONDITION	PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
IC1	FM NO SIGNAL	2.0	0.5	0	2.0	5.2	5.2	0	0	0.3	5.2	5.2	1.1	1.1	4.6	3.9	3.9	1.4	0	1.3	1.1	2.0	2.0	5.2	2.0
	FM 60dB STEREO	2.0	0.5	0	2.0	5.2	5.2	1.1	0	0.3	0	0	1.1	1.1	4.5	4.1	3.9	1.4	0	1.4	1.1	2.0	2.0	5.2	2.0
	AM NO SIGNAL	2.0	0.5	0	2.0	5.0	5.2	0	0	0.3	5.2	5.2	1.1	1.1	4.8	0.1	0	1.4	1.4	1.5	1.6	2.0	2.0	5.2	2.0
IC2	FM NO SIGNAL	2.4	0	0	5.1	4.9	5.1	3.9	3.9	2.0	4.1	5.2	0	0	0	0	2.6	5.2	1.0	1.0	3.7	0	2.7		
	AM NO SIGNAL	2.4	0	0	5.1	4.9	5.1	3.9	3.9	2.0	4.1	5.2	0	0	0	0	2.6	5.2	1.0	1.0	3.7	0	2.7		

Tr NO.	
PIN NO.	
FM 65.0MHz NO SIGNAL	
AM 522kHz NO SIGNAL	
Tr NO.	
PIN NO.	
AM 522kHz NO SIGNAL	
AM 144kHz NO SIGNAL	

6

7

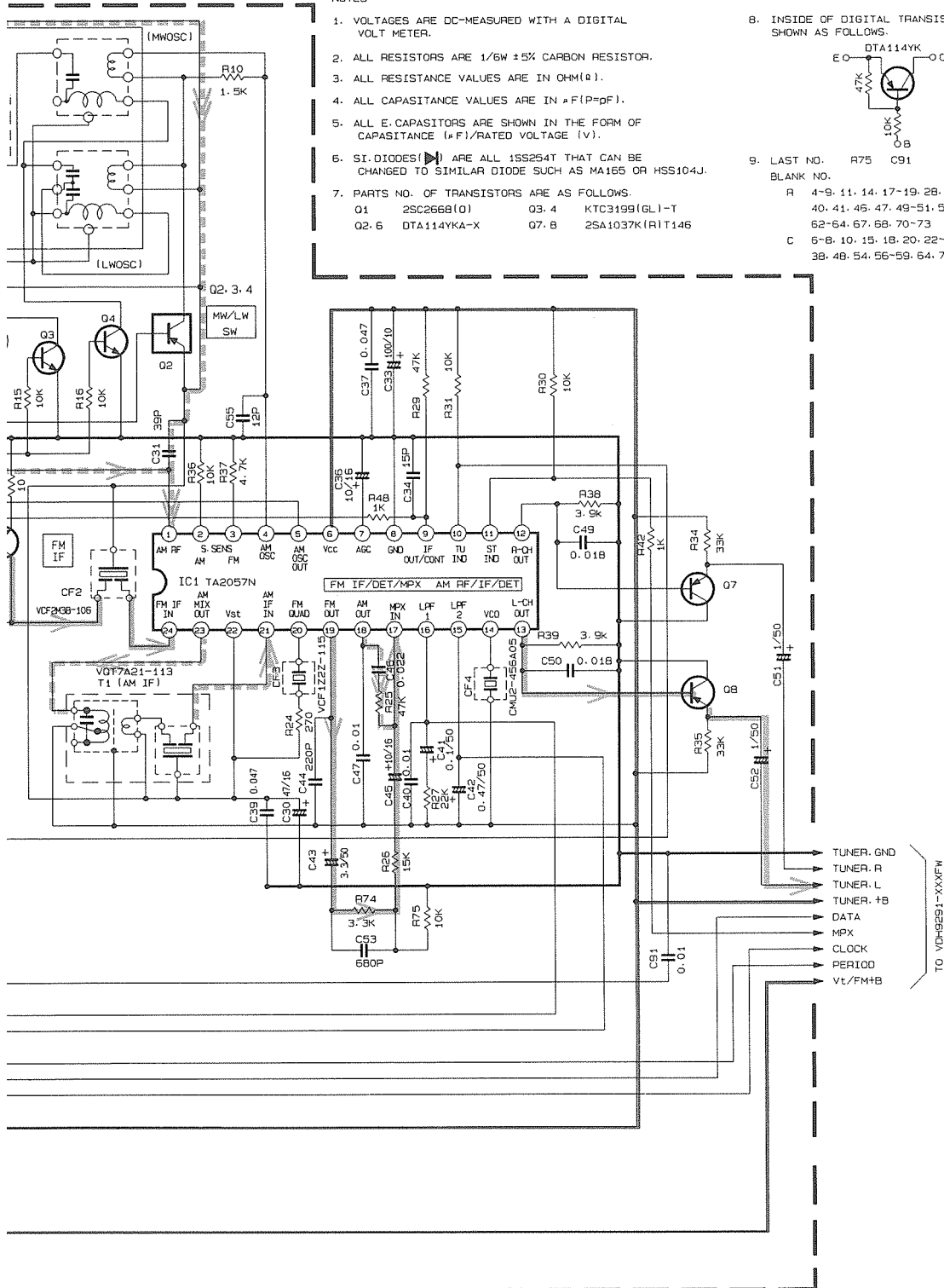
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10

NOTES

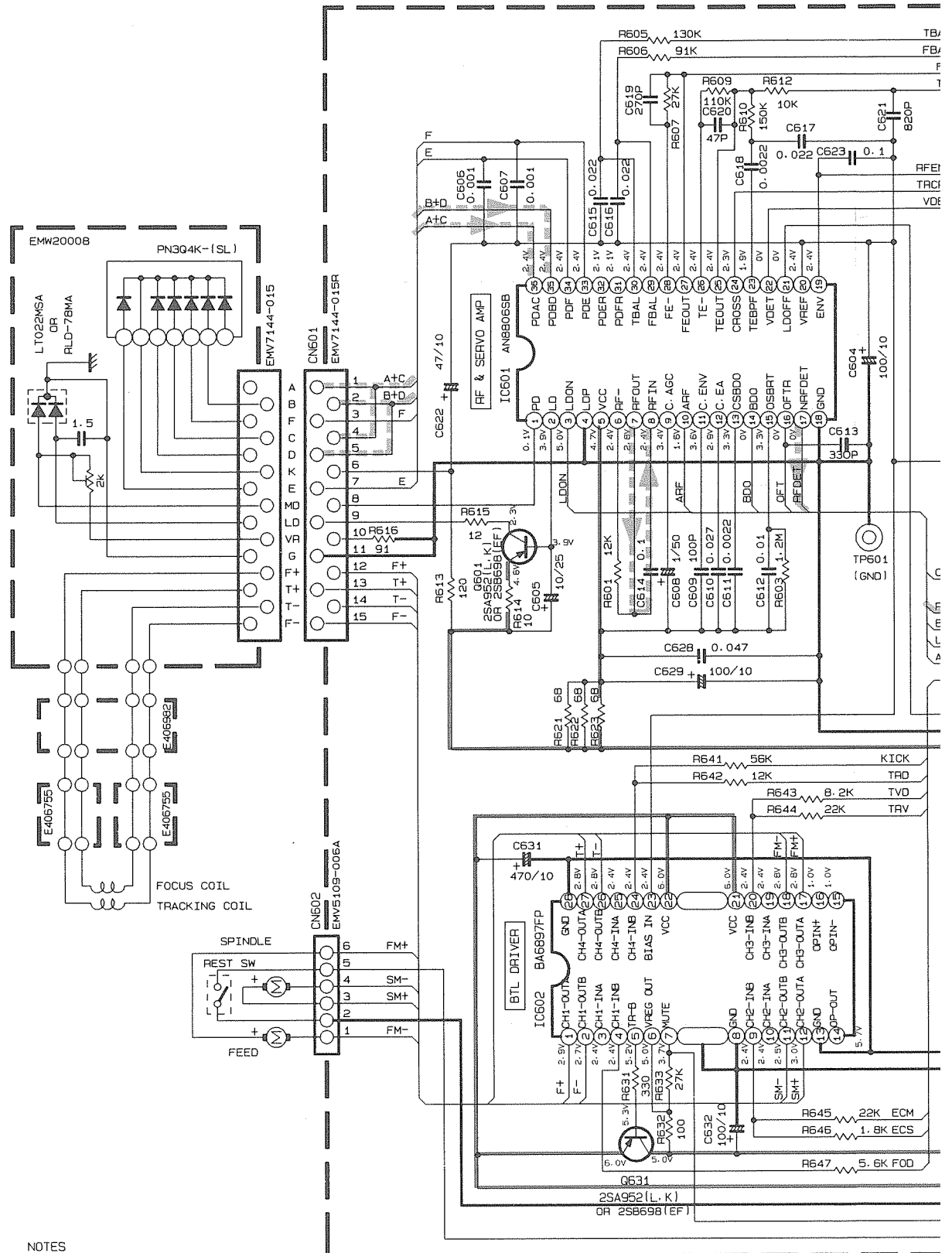
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER.
2. ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
3. ALL RESISTANCE VALUES ARE IN OHM(Ω).
4. ALL CAPASITANCE VALUES ARE IN pF(pF).
5. ALL E-CAPASITORS ARE SHOWN IN THE FORM OF CAPASITANCE (pF)/RATED VOLTAGE (V).
6. SI-DIODES ARE ALL 1SS254T THAT CAN BE CHANGED TO SIMILAR DIODE SUCH AS MA165 OR HSS104J.
7. PARTS NO. OF TRANSISTORS ARE AS FOLLOWS.
Q1 2SC2668(I) Q3, 4 KTC3199(GL)-T
Q2, 6 DTA114YKA-X Q7, 8 2SA1037K(IR)T146
8. INSIDE OF DIGITAL TRANSISTORS ARE SHOWN AS FOLLOWS.
DTA114YK
E O 47K 10K O C
9. LAST NO. R75 C91
BLANK NO.
R 4-9: 11, 14, 17-19, 28, 32, 33
40, 41, 45, 47, 49-51, 53, 58, 59
62-64, 67, 68, 70-73
C 5-8, 10, 15, 18, 20, 22-29,
38, 48, 54, 56-59, 64, 73-90



D.	Q1			Q6			Q7			Q8		
O.	E	C	B	E	C	B	E	C	B	E	C	B
NO SIGNAL	0	7.5	0.7	8.8	8.7	0	1.6	0	1.1	1.6	0	1.1
0 SIGNAL	0	0	0	8.8	0	8.7	1.6	0	1.1	1.6	0	1.1
D.	Q2			Q3			Q4					
O.	E	C	B	E	C	B	E	C	B			
0 SIGNAL	2.0	2.0	0.1	0	0	0.7	0	0	0.7			
0 SIGNAL	2.0	2.0	2.0	0	0	0.1	0	0	0.1			

FM Radio signal
LW Radio signal
MW Radio signal
+B Line

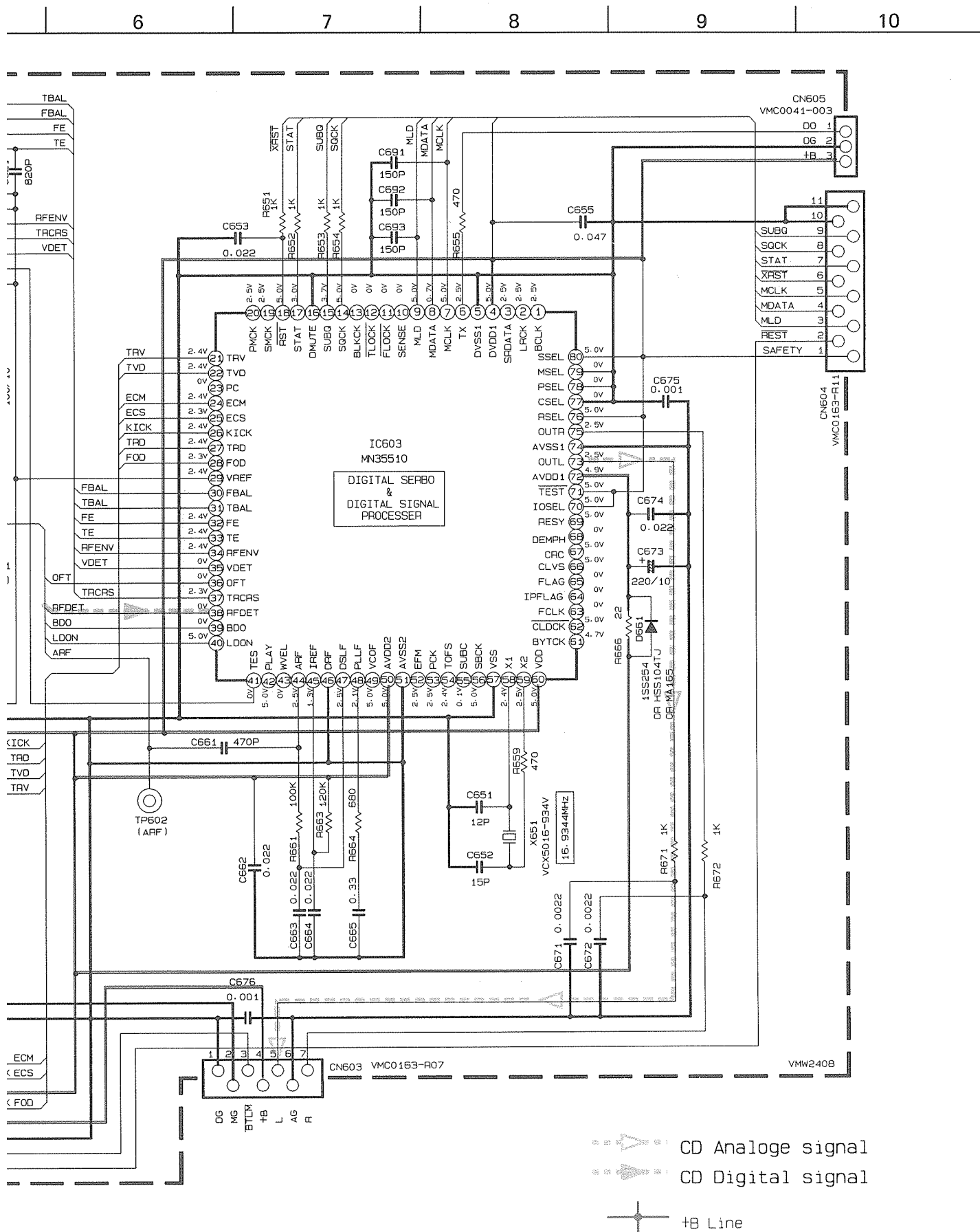
CD Servo Control Circuit: Drawing No. VDH1010-001CW



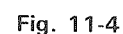
NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
2. UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/5W $\pm 5\%$ CARBON RESISTOR.
ALL RESISTANCE VALUES ARE IN OHM(Ω).
ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR.
ALL CAPACITANCE VALUES ARE IN PICO(PF).
ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μ F)/RATED VOLTAGE (V).

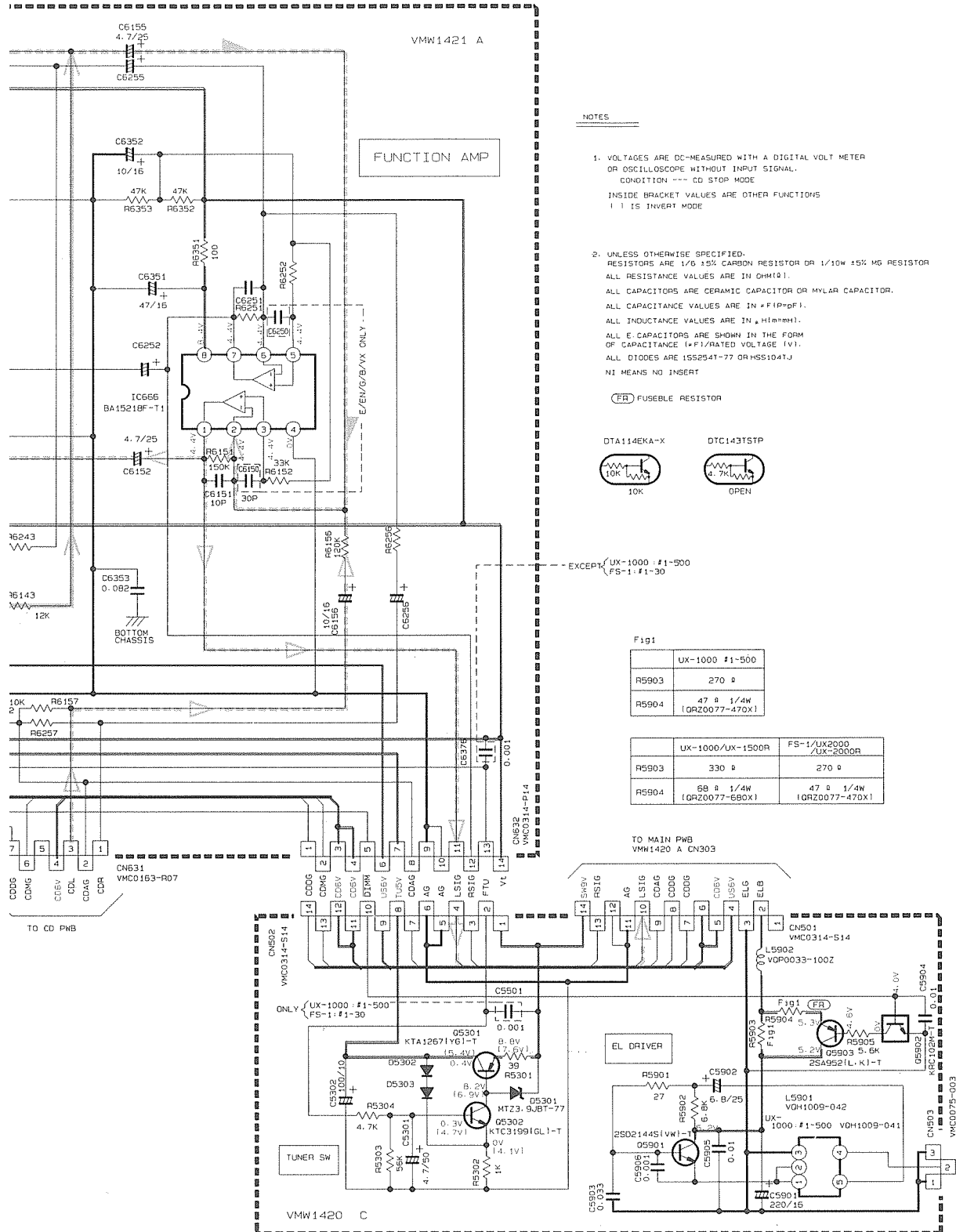
Fig. 11-3



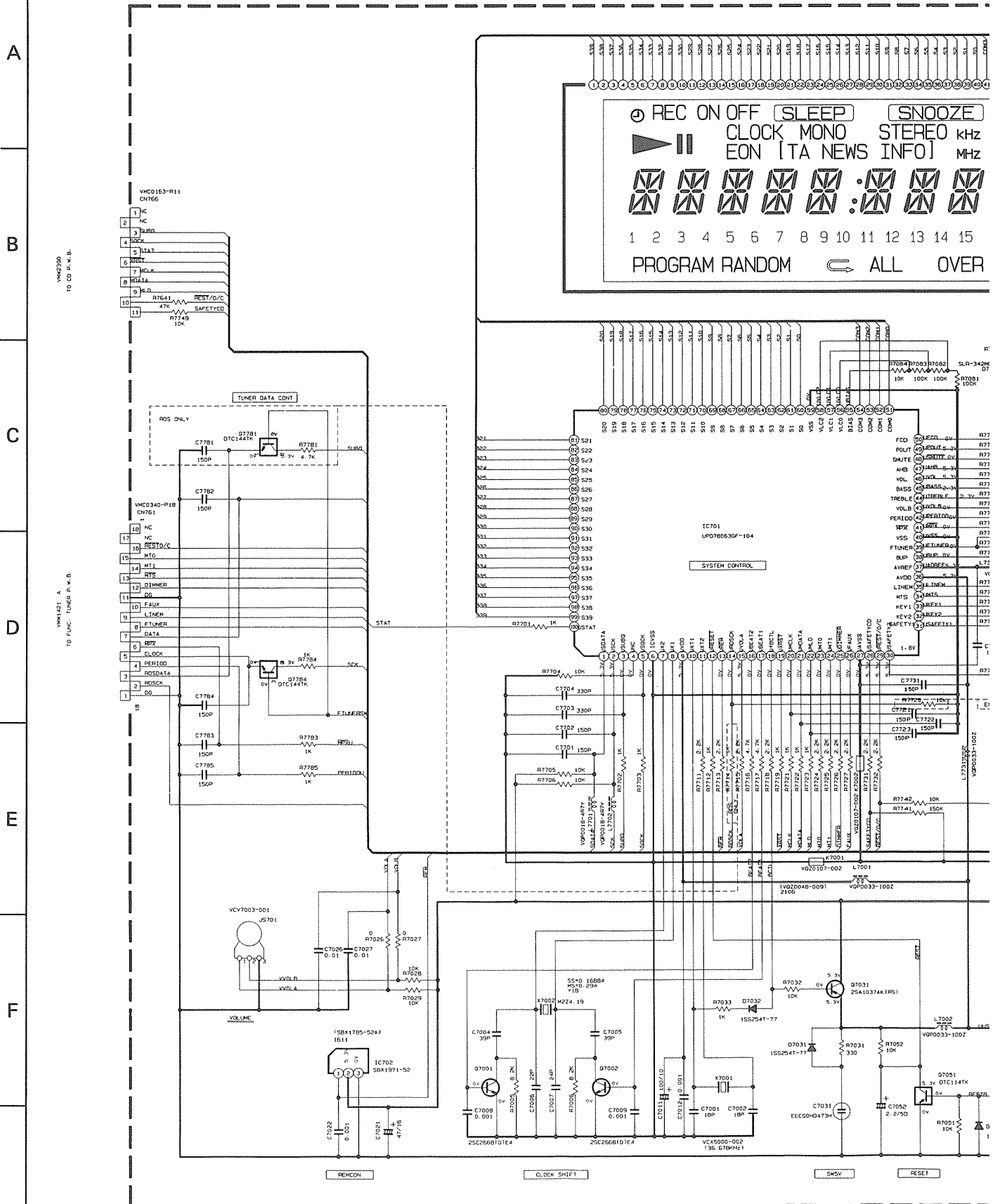
F



6 7 8 9 10



LCD & System CPU Circuit: Drawing No. VDH9291-005SV



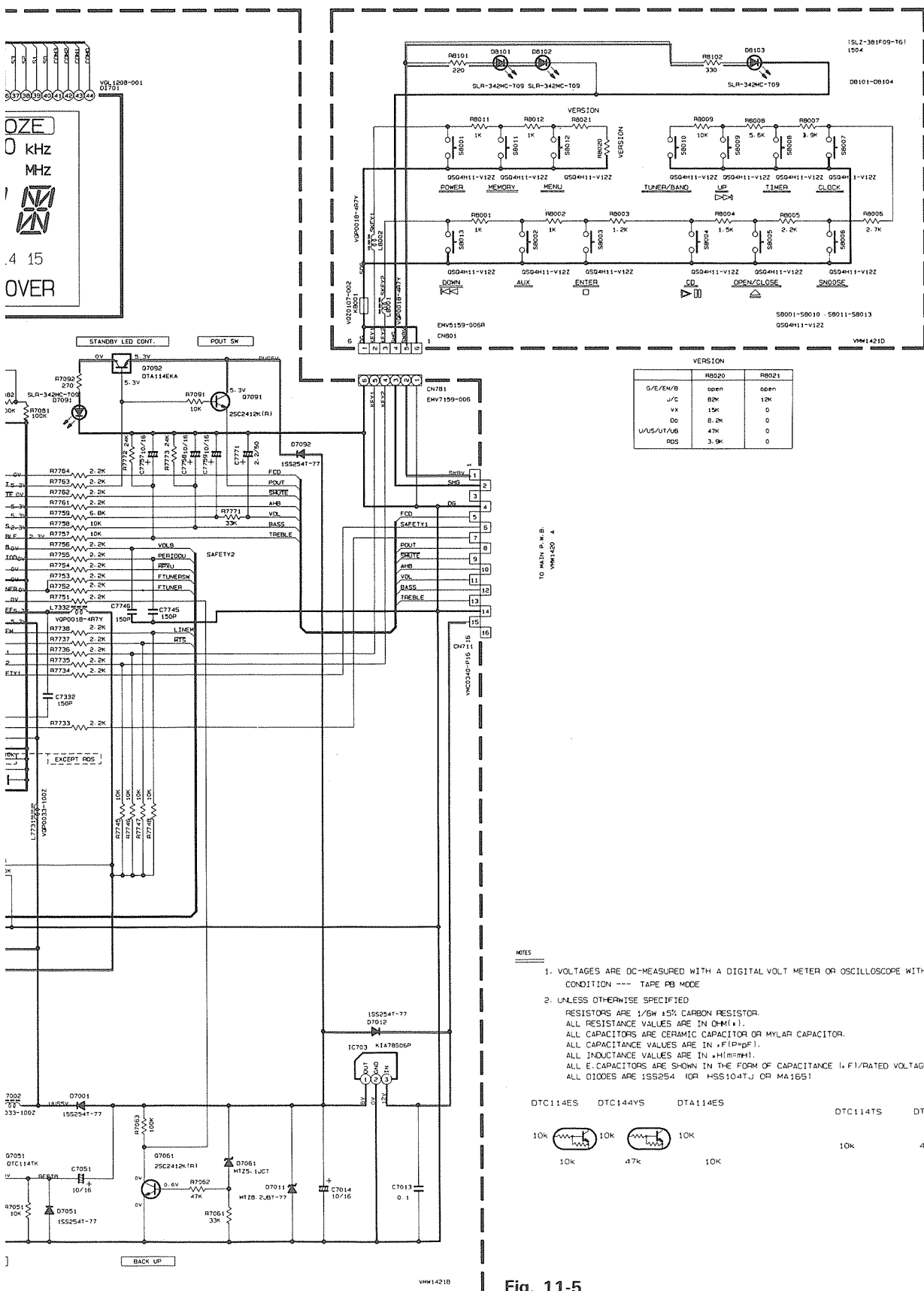
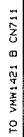


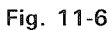
Fig. 11-5

1	2	3	4	5
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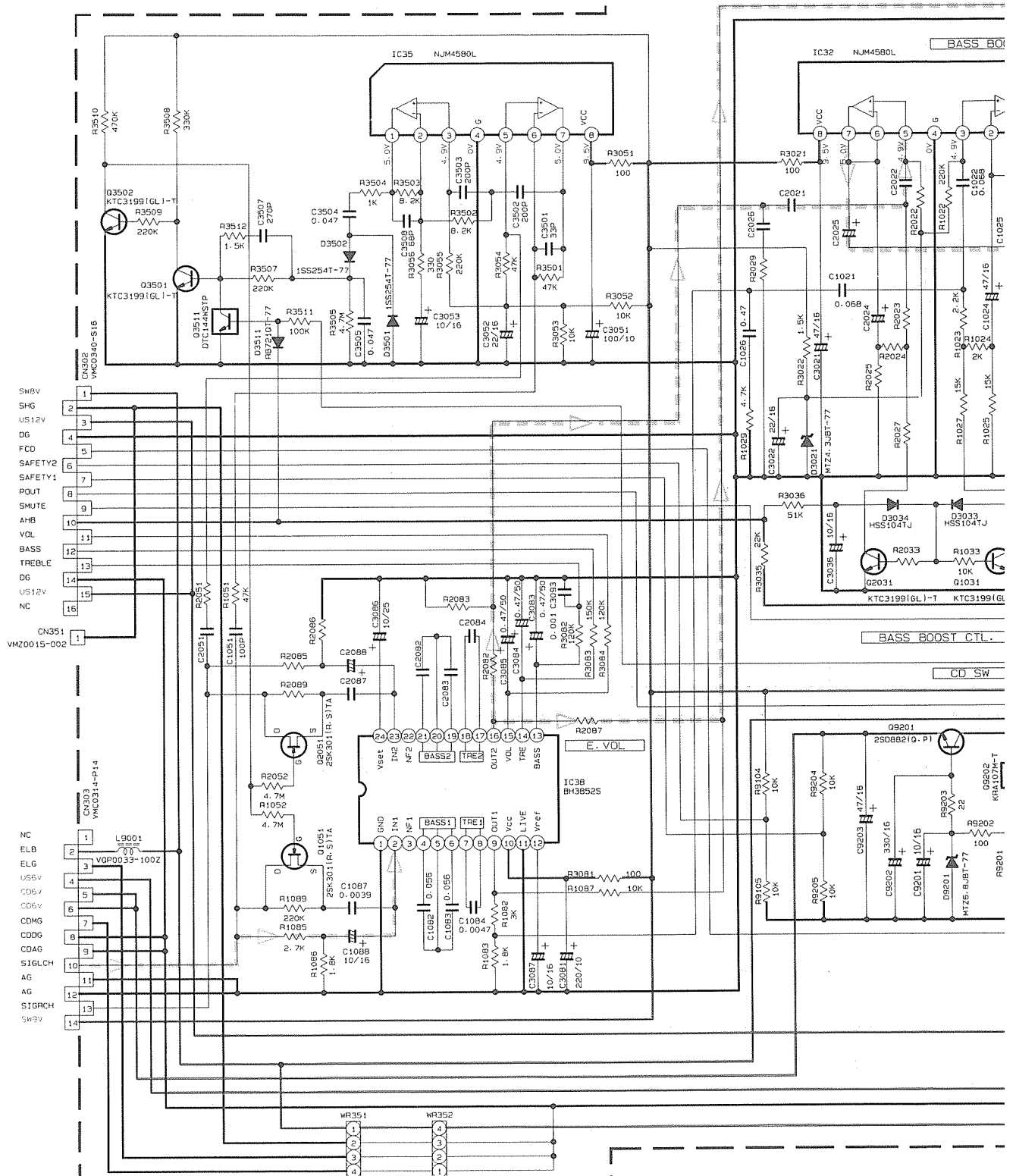


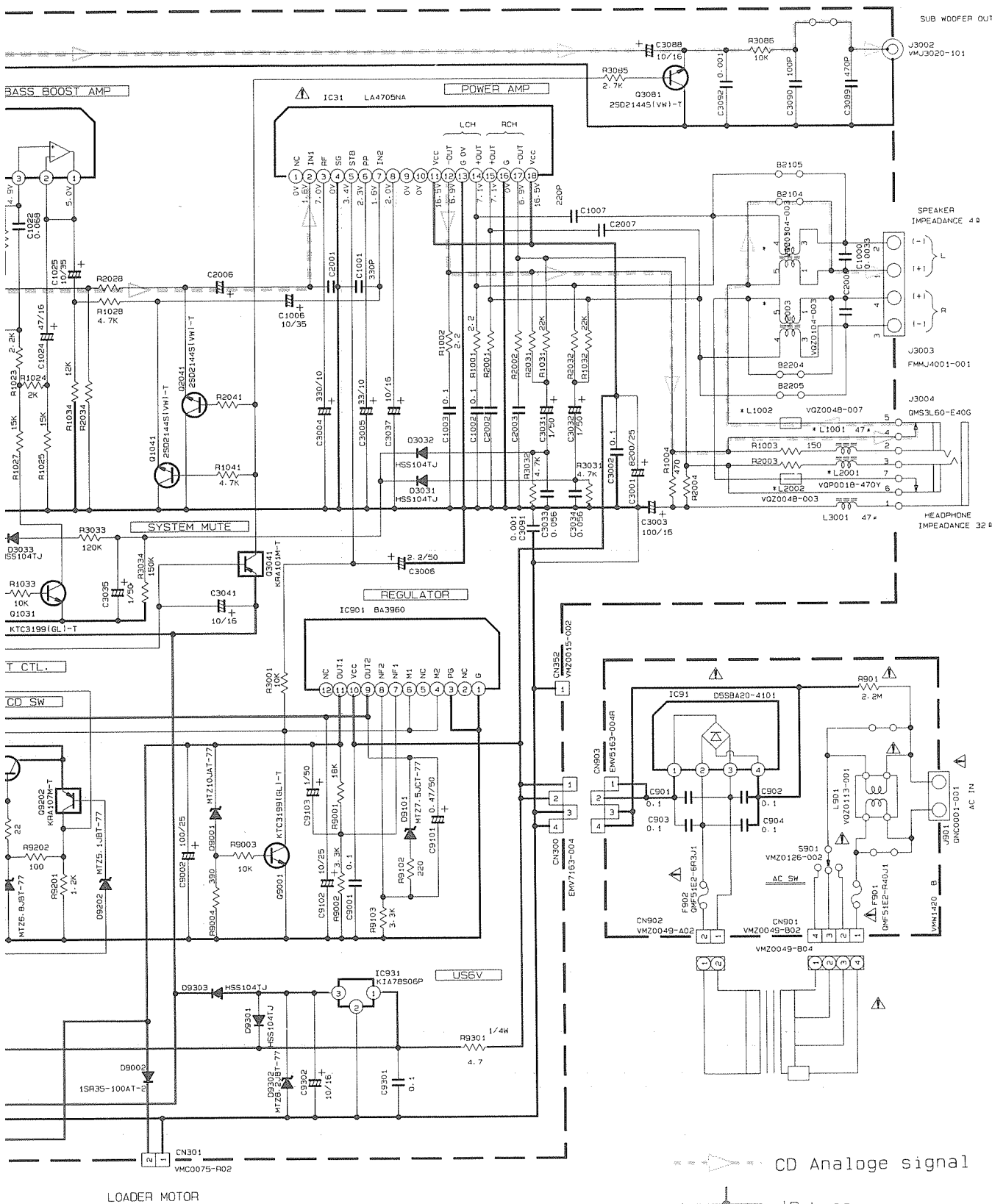
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER
OR OSCILLOSCOPE WITHOUT INPUT SIGNAL.
CONDITION --- FUNC. CD STOP MODE

Note : VDH9291007AW



Power Supply & Power Amplifier Circuit: Drawing No. VDH9291-005AW **(UX-1000GR VX)**





12. Location of P. C. Board Parts

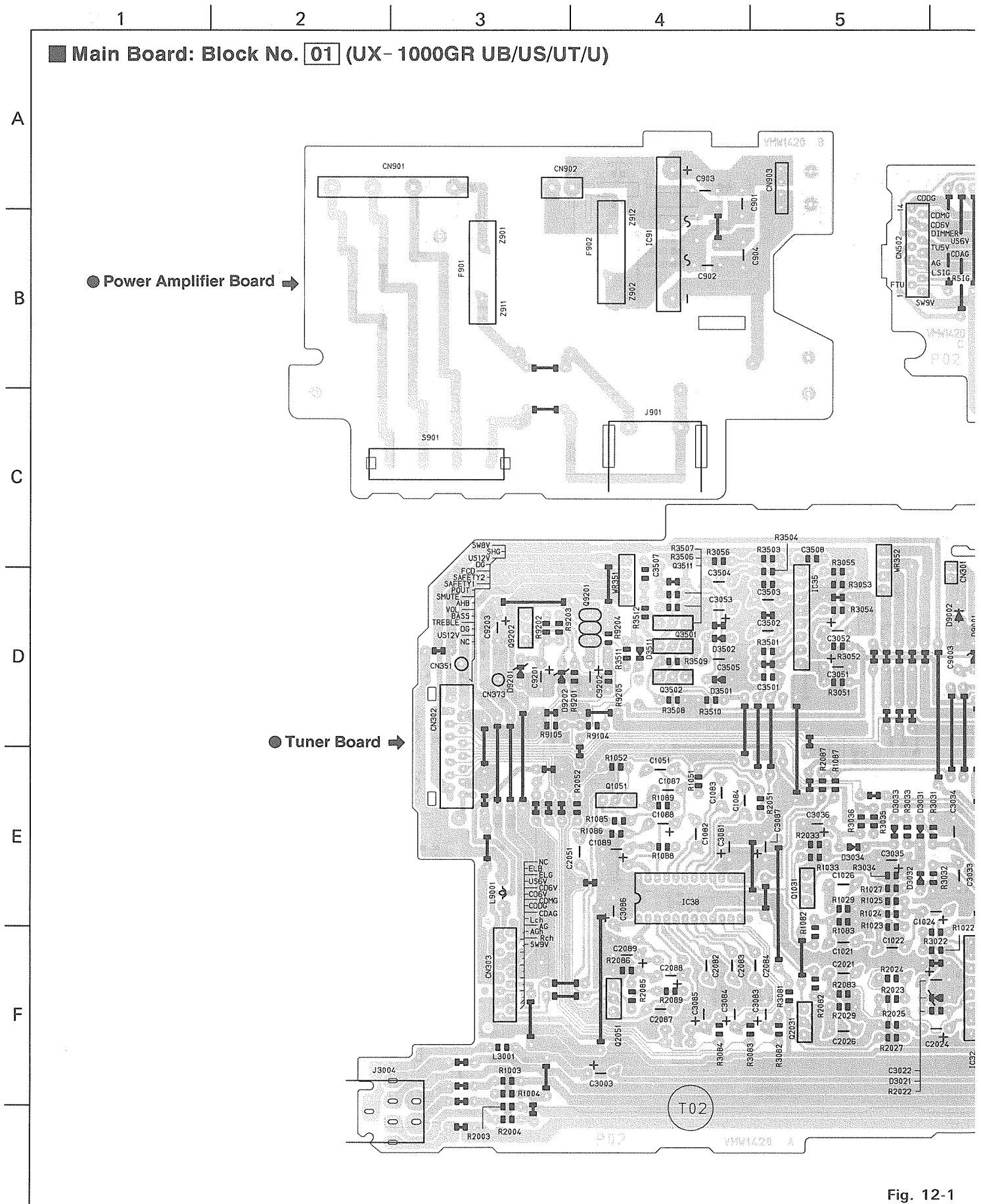


Fig. 12-1

10

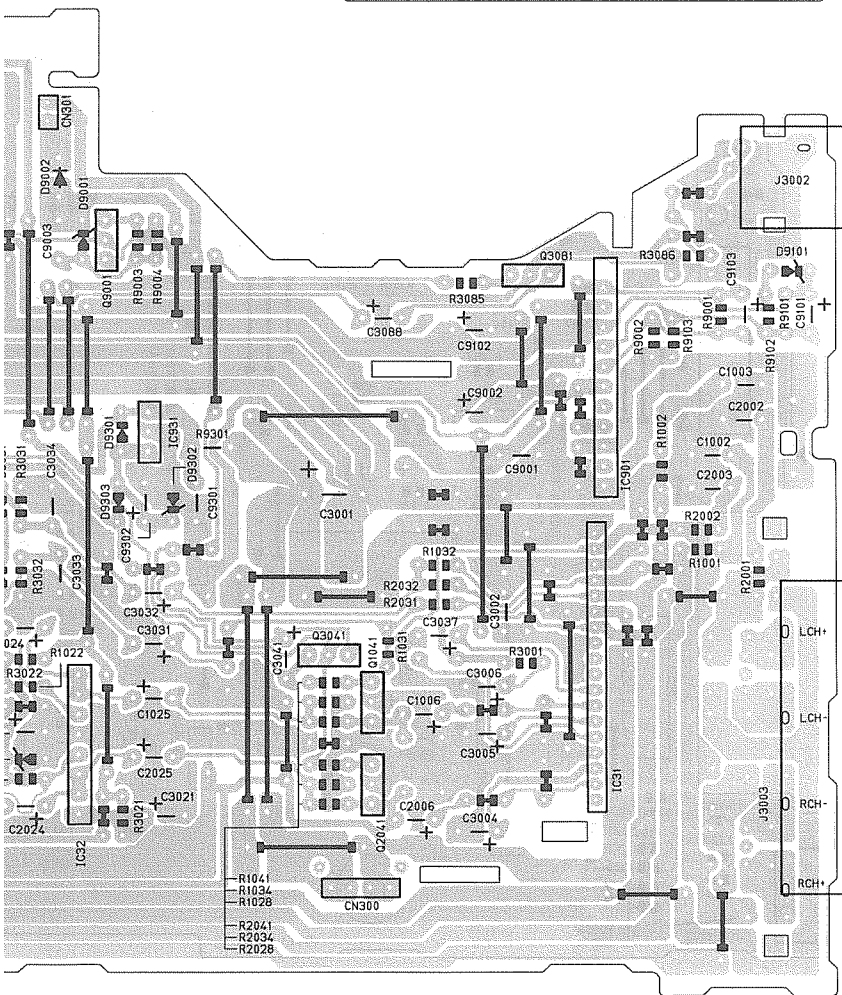
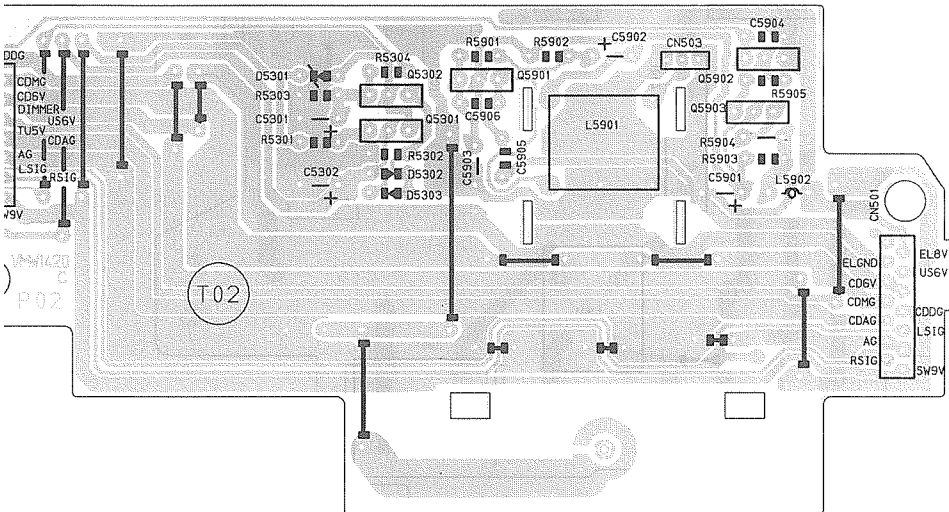
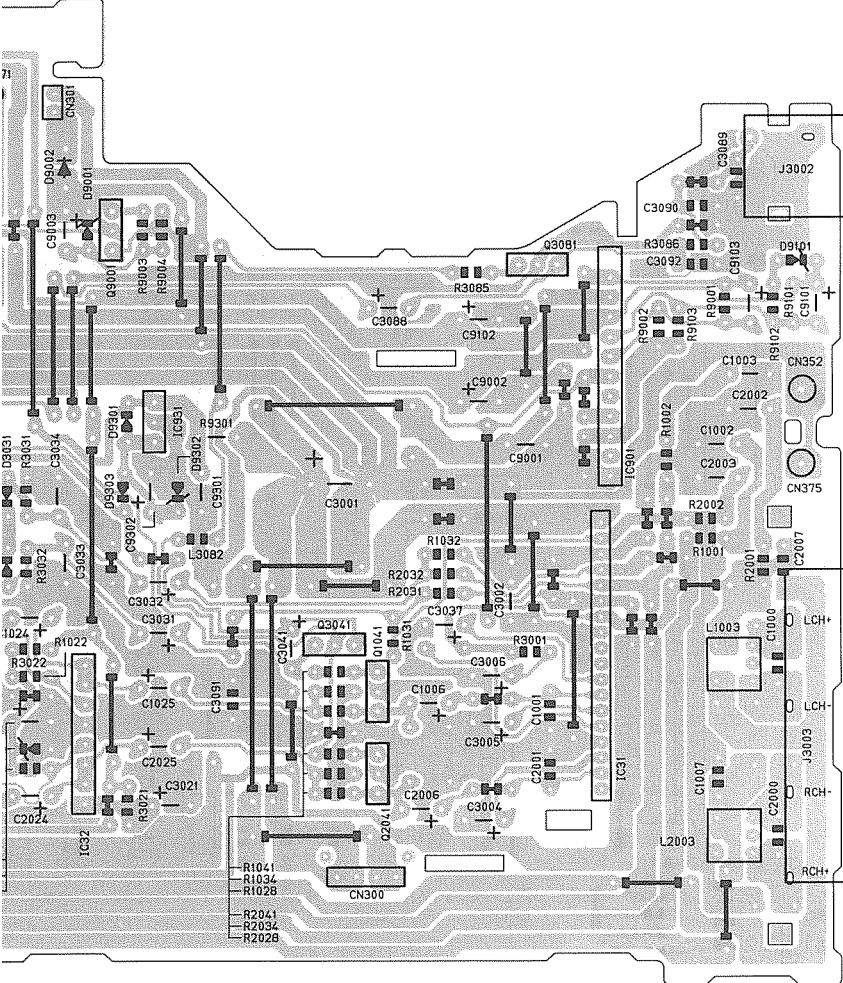
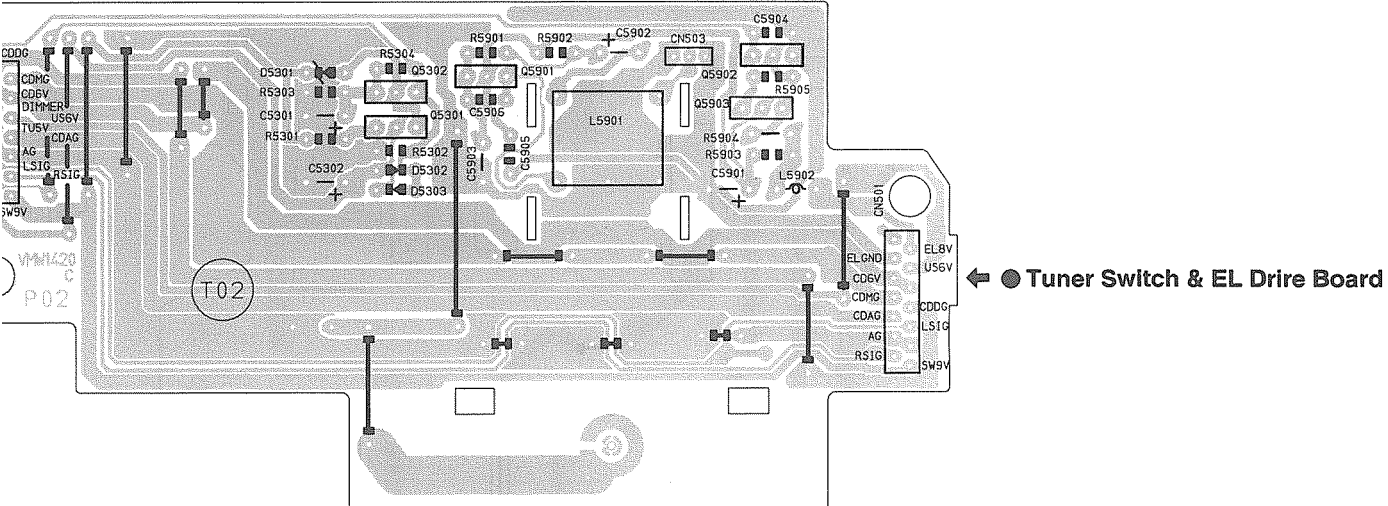
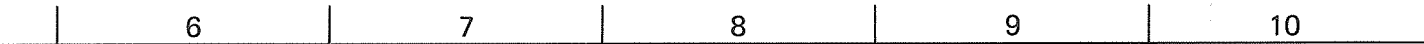
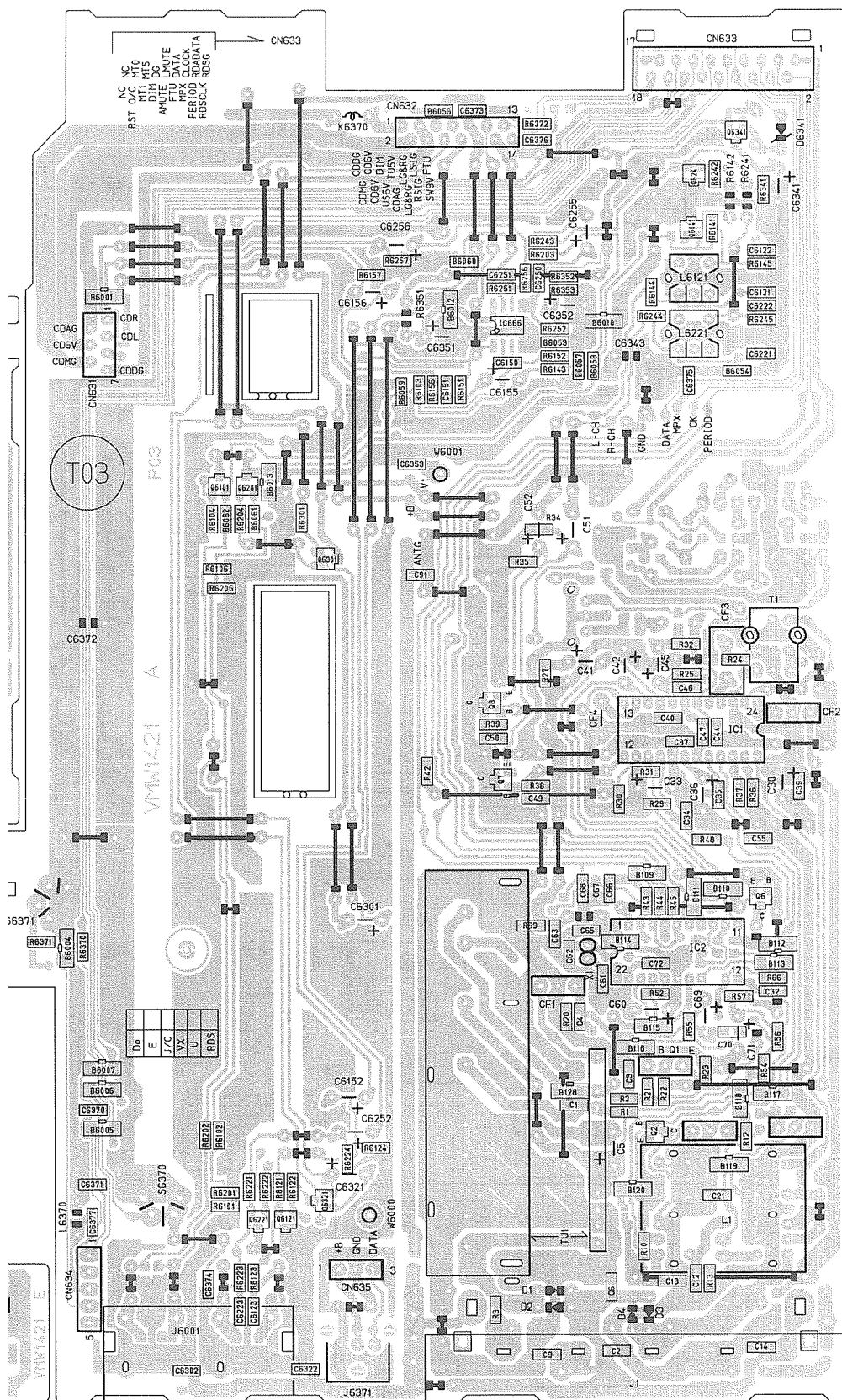


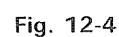


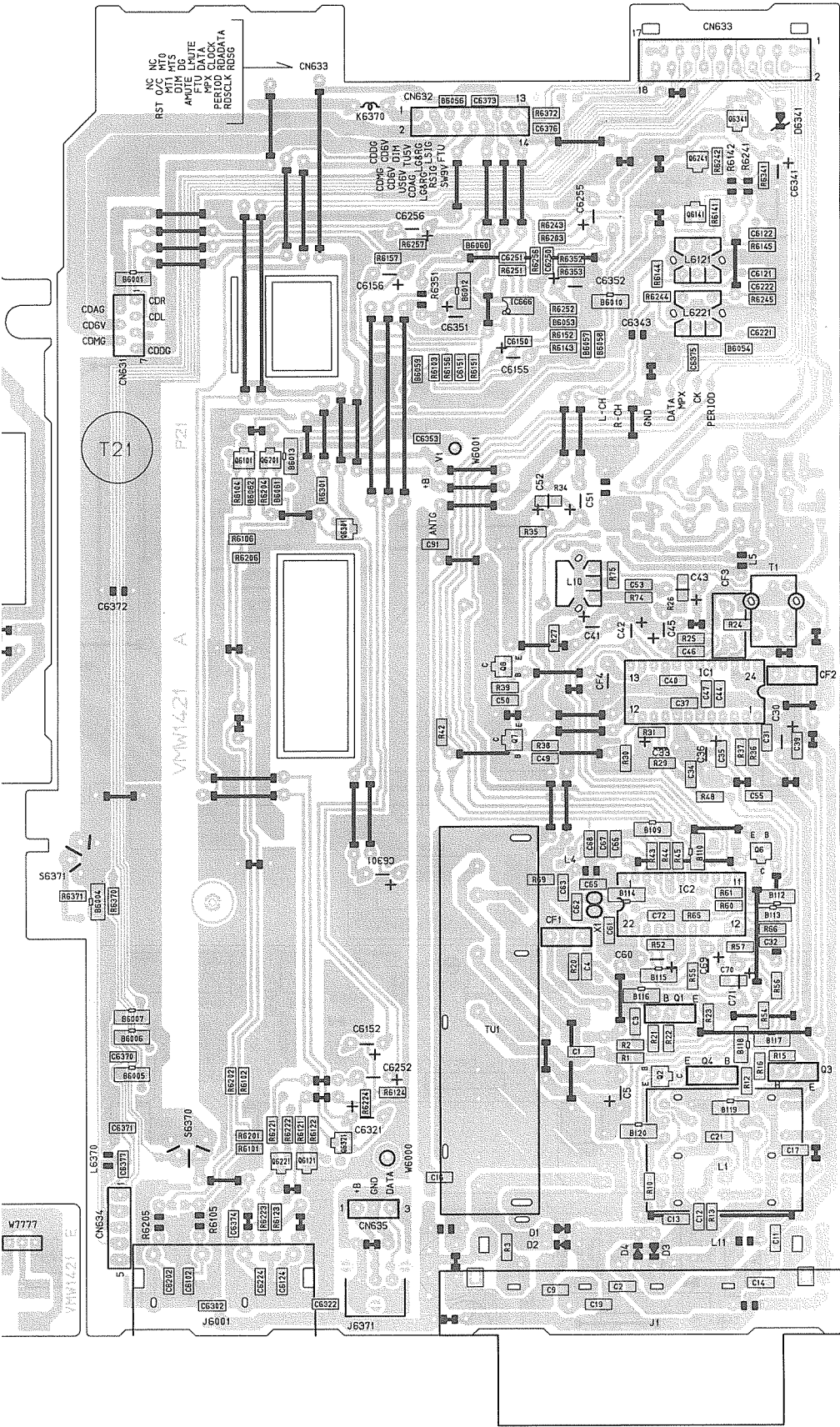
Fig. 12-2





← ● Tuner Function Board





← ● Tuner Function Board

1

2

3

4

5

CD Servo Control Board: Block No. 03

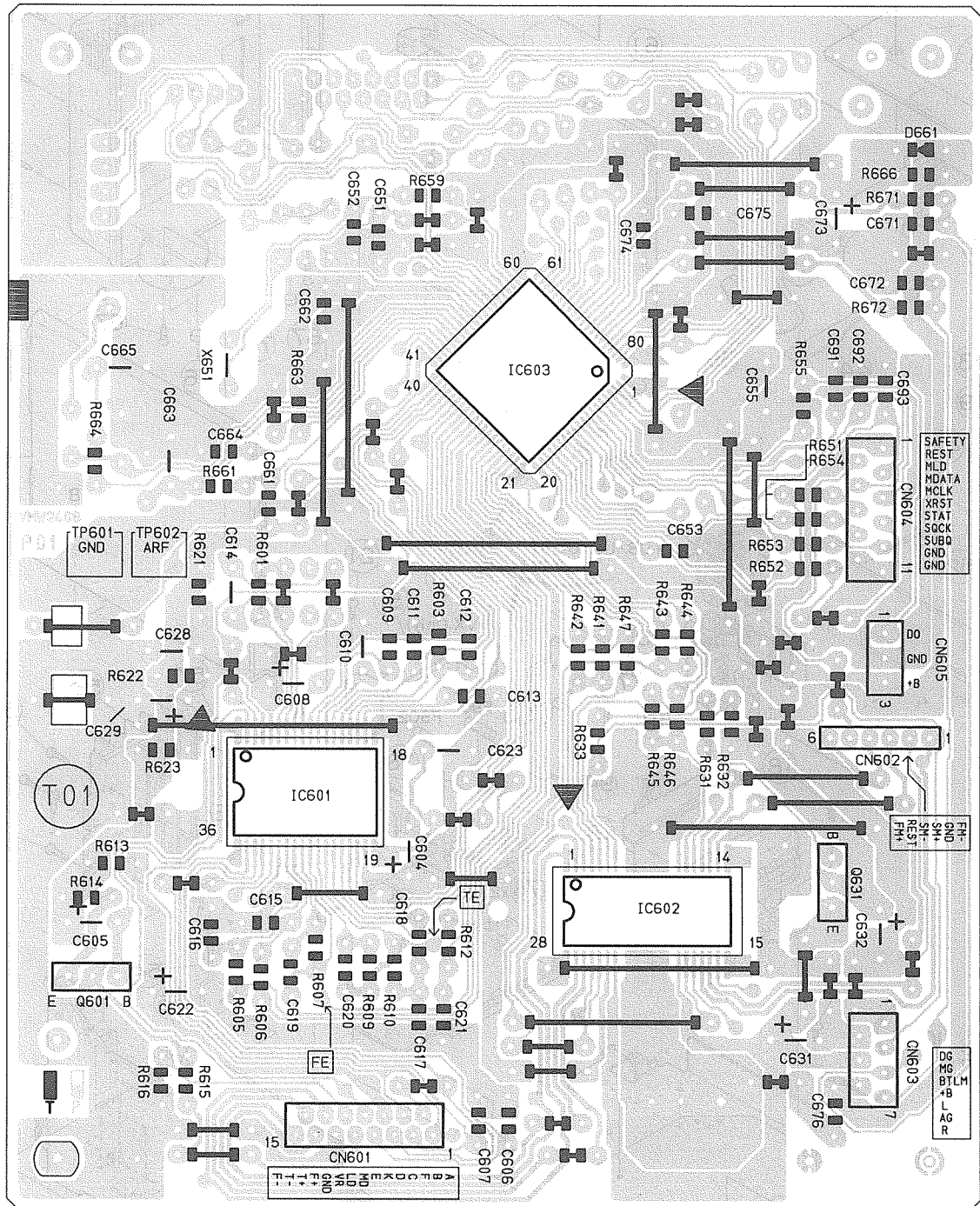


Fig. 12-5

2014.07.27 09:41:00

2014.07.27 09:41:00

13. Analytic Drawing and Parts List

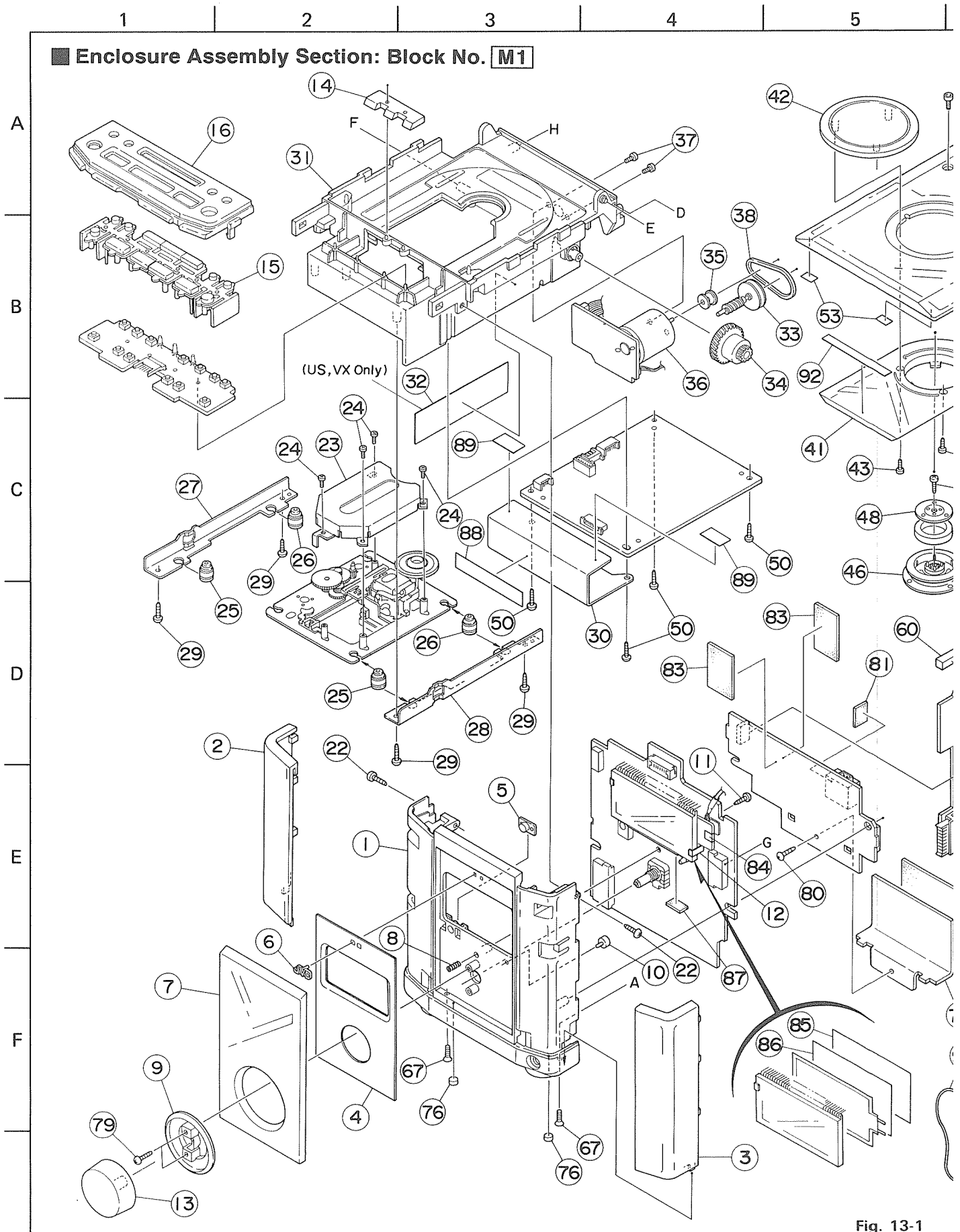
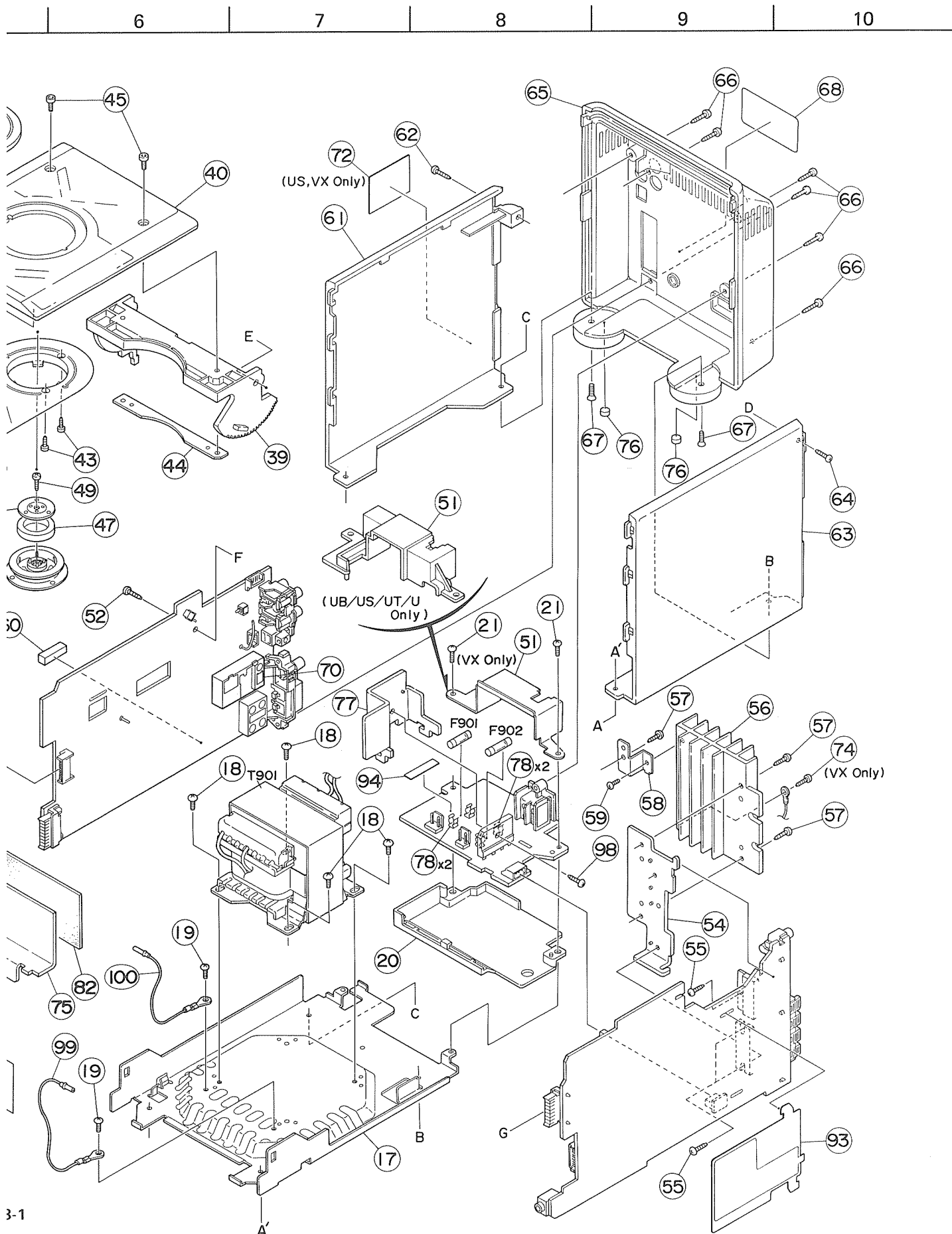


Fig. 13-1



■ Enclosure Assembly Parts List

BLOCK No.

M	1	M	M				
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△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	VJG1426-005	FRONT PANEL		1		
	2	VJE3006-002SC	FITTING (L)		1		
	3	VJE3007-002SC	FITTING (R)		1		
	4	VJD5492-002	PLATE		1		
	5	E408131-001	REMOTE LENS		1		
	6	E406971-221	JVC MARK		1		
	7	VJK3699-002	FRONT LENS		1		
	8	VKW3001-321	COMP. SPRING		1		
	9	VJD5491-002	VOL ESCUTCHEON		1		
	10	VJK4493-001SC	LENS(STANDBY)		1		
	11	SBSF3012Z	SCREW	PWB + FRONT	1		
	12	VYH3944-002	LCD HOLDER		1		
	13	VXL4448-002SC	VOLUME KNOB		1		
	14	VJK4490-001SC	LED LENS		1		
	15	VXP3807-002SC	BUTTON		1		
	16	VJD2470-002SC	TOP PANEL		1		
	17	VKL1444-001SC	BOTTOM CHASSIS		1		
	18	SBST4006Z	SCREW	FOR POWER TRANS	4		
	19	SBST3004Z	SCREW		2		
	20	VYH3939-001SC	AC HOLDER		1		
	21	SBST3010Z	SCREW		2		
	22	SBSF3012Z	SCREW		2		
	23	VJD5410-005	PICK COVER		1		
	24	SDSF2006M	SCREW		4		
	25	E75609-001	INSULATOR		2		
	26	E75609-002	INSULATOR		2		
	27	VYH8089-001SC	CD MECHA HOLDER		1		
	28	VYH8089-002SC	CD MECHA HOLDER		1		
	29	SBSF3012Z	SCREW		4		
	30	VMA4692-002SC	SHIELD		1		
	31	VJD1210-002	CD CASE		1	UB,UT,U,VX	
		VJD1210-003UL	CD CASE		1	US	
	32	E406709-001	CAUTION LABEL	CD CASE	1	US,VX	
	33	VYH8090-001SC	GEAR 1		1		
	34	VYH8091-002SC	GEAR 2		1		
	35	VYH7699-001	PULLEY		1		
	36	MXN-13FB12F	DC MOTOR ASS'Y		1		
	37	SPSP3004Z	SCREW		2		
	38	VKB3000-170	BELT		1		
	39	VJE3014-001SC	CD DOOR		1		
	40	VJE3011-001	CD DOOR LENS		1		
	41	VJK3701-001SC	ILLUMI LENS		1		
	42	VJD5489-001	ORNAMENT		1		
	43	SDSF2006M	SCREW		3		
	44	VJD5490-001SC	STOPPER		1		
	45	VKZ4765-001	S.BOLT(DIN)		2		
	46	VYH3726-001SS	CLAMPER		1		
	47	VYH7313-003	MAGNET		1		
	48	VYH7677-201	YOKE		1		
	49	SDSF2606Z	SCREW		1		
	50	SBSF3012Z	SCREW	CD CASE + CD PW	4		
	51	VYH3962-001	SW HOLDER		1	UB,US,UT,U	
		VMA4701-001	PROTECTOR		1	VX	
	52	SBSF3012Z	SCREW		1		
	53	VYSS1R1-108	SPACER	FOR DOOR LENS	2		

BLOCK No. MIMMMMMMMM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
54	VYH8093-001SC	IC HOLDER		1		
55	SBSF3010Z	SCREW		3		
56	VMH3017-201	HEAT SINK		1		
57	SBSF3012Z	SCREW	H.SINK+IC HOL,C	3		
58	VYH8107-001	BRACKET		1		
59	SBST3008Z	SCREW		1		
60	VYSH104-047	SPACER		1		
61	VJD2471-002SC	SIDE PANEL (L)		1		
62	SBSF3012Z	SCREW		1		
63	VJD2472-002SC	SIDE PANEL (R)		1		
64	SBSF3012Z	SCREW		1		
65	VJG1430-004	REAR COVER		1		
	VJG1430-006	REAR COVER		1	US	
	VJG1430-002SC	REAR COVER		1	VX	
66	SBSF3012Z	SCREW	REAR BOTTOM	6		
67	SSST3010Z	SCREW		4		
68	VYN9291-C207	NAME PLATE		1	UB,UT,U	
	VYN9291-C114	NAME PLATE		1	US	
	VYN9291-C112	NAME PLATE		1	VX	
70	VMA4709-001	SHIELD		1		
72	E70891-001	CLASS 1 LABEL		1	US,VX	
74	SBSF3012Z	TAPPING SCREW		1	VX	
75	VMA4706-002SC	SHIELD		1		
76	VJF4055-001	FOOT		2		
	VJF4055-001	FOOT		2		
77	VYH8094-002SC	HEAT SINK		1		
78	EMG7331-003Z	FUSE CLIP	Z912	2		
	EMG7331-003Z	FUSE CLIP	Z911	2		
79	SBSF3012Z	SCREW		2		
80	SBSF3010Z	SCREW		1		
81	VYSR102-062	SPACER		1		
82	VYSR102-063	SPACER		1		
83	VYSR102-066	SPACER		2		
84	PU59915-105	SPACER		1		
85	VYSS1R1-109	SPACER	FOR EL	1		
86	VYSS1R1-110	SPACER	PET FOR:EL	1		
87	VYSS1R5-080	SPACER		1		
88	VYSA1R4-050	SPACER		1		
89	VYSA1R6-021	SPACER		2		
92	VYST1R1-003	SPACER		1		
93	VMA4702-002	SHIELD		1		
94	VND4003-029	FUSE LABEL		1	UB,US,UT,U	
98	SBSF3010Z	SCREW		1		
99	VWE240-12NTSA	LUG WIRE		1		
100	VWE240-10NTSA	LUG WIRE		1		
F 901	QMF51E2-R80SBS	FUSE	PRI	1		
	QMF51E2-R40SBS	FUSE		1	VX	
F 902	QMF51E2-6R3J1	FUSE	SEC	1		
T 901	VTP66G2-12J	POWER TRANS		1		
	VTP66J2-12K	POWER TRANSF.		1	VX	

1 2 3 4 5

■ CD Mechanism Section: Block No. **M2**

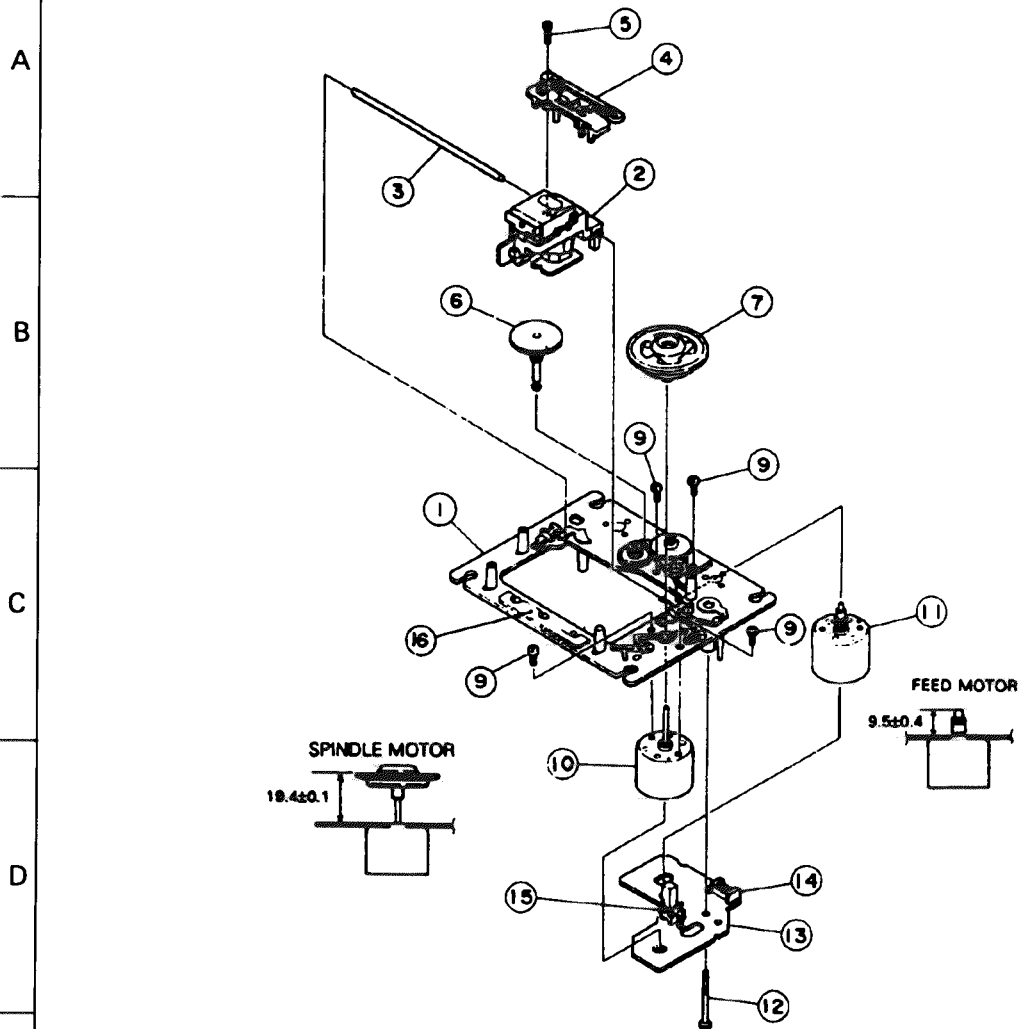


Fig. 13-2

● CD mechanism parts list

BLOCK No. **M2**MM

REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
1	EPB-002A	BASE ASS'Y		1		
2	OPTIMA-6S	PIC-UP		1		
3	E406777-001	GUIDE SHAFT		1		
4	E307746-001	CD RACK		1		
5	SDSF2006Z	SCREW	CD LACK ASS'Y	1		
6	EPB-003A	MECHA GEAR		1		
7	E75807-301	CD T.TABLE ASSY		1		
9	SDSP2003N	SCREW	FOR MOTOR	4		
10	E406783-001	SP MOTOR	SPINDL MOTOR	1		
11	E406784-001SA	DC MOTOR ASS'Y	FEED MOTOR	1		
12	E75832-001	S.SCREW	M.REAF SWITCH	1		
13	EMW10190-001	BOARD	LEAF SWITCH	1		
14	EMV5109-006B	6P PLUG ASSY		1		
15	ESB1100-005	LEAF SWITCH		1		
16	E407212-001	DAMPER		1		

14. Electrical Parts List

Main Board

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 901	QFLC1HJ-6832M	M.CAPACITOR	.068MF 5% 50V	
C 902	QFLC1HJ-6832M	M.CAPACITOR	.068MF 5% 50V	
C 903	QFLC1HJ-6832M	M.CAPACITOR	.068MF 5% 50V	
C 904	QFLC1HJ-6832M	M.CAPACITOR	.068MF 5% 50V	
CN300	EMV7163-004	CONNECTOR	CD DOOR	
CN301	VMC0075-R02	CONNECTOR	MICOM	
CN302	VMC0340-S16	CONNECTOR	EL/TU/CONN	
CN303	VMC0314-P14	CONNECTOR	SHARSHI EARTH	
CN351	VMZ0015-002	POST PIN	WR352 WIRE CLAM	
CN371	VMZ0015-011	STYLE PIN	CN351 S WIRE CL	
CN373	VMZ0015-011	STYLE PIN	CN351 S WIRE CL	
CN901	VMZ0049-B04	CONNECTOR	PRI	UB,US,UT,U
CN901	VMZ0049-B02	CONN.TERMINAL	PRI	VX
CN902	VMZ0049-A02	CONNECTOR	SEC	
CN903	EMV5163-004R	CONNECTOR	MAIN	
C1001	QCB81HK-331Y	C.CAPACITOR	330PF 10% 50V	
C1002	QCC11EM-104V	C.CAPACITOR	.10MF 20% 25V	
C1003	QCC11EM-104V	C.CAPACITOR	.10MF 20% 25V	
C1006	QTE1V06-106Z	E.CAPACITOR	.47MF 5% 50V	
C1021	QFN81HJ-683	M.CAPACITOR	MAKER SHITEI	
C1022	QFN81HJ-683	M.CAPACITOR	MAKER SHITEI	
C1024	QTE1C06-476Z	E.CAPACITOR	.47MF 5% 50V	
C1025	QTE1V06-106Z	E.CAPACITOR	100PF 5% 50V	
C1026	QFV41HJ-474	FILM CAPACITOR	.47MF 5% 50V	
C1051	QCS11HJ-101	C.CAPACITOR	100PF 5% 50V	
C1082	QFLC1HJ-563	M.CAPACITOR	.056MF 5% 50V	
C1083	QFLC1HJ-563	M.CAPACITOR	.056MF 5% 50V	
C1084	QFLC1HJ-4722M	M.CAPACITOR	4700PF 5% 50V	
C1087	EFZ0101-392S	P.P.CAPACITOR	ONHITU	
C1088	QTE1V06-106Z	E.CAPACITOR	VOL IC GAIN +4D	
C1089	QTE1V06-106Z	E.CAPACITOR	330PF 10% 50V	
C2001	QCB81HK-331Y	C.CAPACITOR	.10MF 20% 25V	
C2002	QCC11EM-104V	C.CAPACITOR	.10MF 20% 25V	
C2003	QCC11EM-104V	C.CAPACITOR	.10MF 20% 25V	
C2006	QTE1V06-106Z	E.CAPACITOR	MAKER SHITEI	
C2021	QFN81HJ-683	M.CAPACITOR	MAKER SHITEI	
C2022	QFN81HJ-683	M.CAPACITOR	MAKER SHITEI	
C2024	QTE1C06-476Z	E.CAPACITOR	.47MF 5% 50V	
C2025	QTE1V06-106Z	E.CAPACITOR	100PF 5% 50V	
C2026	QFV41HJ-474	FILM CAPACITOR	.47MF 5% 50V	
C2051	QCS11HJ-101	C.CAPACITOR	100PF 5% 50V	
C2082	QFLC1HJ-563	M.CAPACITOR	.056MF 5% 50V	
C2083	QFLC1HJ-563	M.CAPACITOR	.056MF 5% 50V	
C2084	QFLC1HJ-4722M	M.CAPACITOR	4700PF 5% 50V	
C2087	EFZ0101-392S	P.P.CAPACITOR	ONHITU	
C2088	QTE1V06-106Z	E.CAPACITOR	VOL IC GAIN +4D	
C2089	QTE1V06-106Z	E.CAPACITOR	8200MF 20% 25V	
C3001	QETM1EM-828	E.CAPACITOR	.10MF 5% 50V	
C3002	QFV41HJ-1042M	FILM CAPACITOR	100MF 20% 25V	
C3003	QET41EM-107	E.CAPACITOR	33MF 20% 10V	
C3004	EETC1AM-337ZE	E.CAPACITOR	2.2MF 20% 50V	
C3005	QETC1AM-3362N	E.CAPACITOR	47MF 20% 16V	
C3006	QETC1HM-2252M	E.CAPACITOR		
C3021	QER41CM-476M	E.CAPACITOR		
C3022	QTE1C06-226Z	E.CAPACITOR		

BLOCK NO. 02				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C3031	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
C3032	QER41HM-105VM	E.CAPACITOR	1.0MF 20% 50V	
C3033	QFV71HJ-5632M	FILM CAPACITOR	.056MF 5% 50V	
C3034	QFV71HJ-5632M	FILM CAPACITOR	.056MF 5% 50V	
C3035	QET41HM-105	E.CAPACITOR	1.0MF 20% 50V	
C3036	QET41CM-106	E.CAPACITOR	10MF 20% 16V	
C3037	QET41CM-106	E.CAPACITOR	10MF 20% 16V	
C3041	QER41CM-106	E.CAPACITOR	10MF 20% 16V	
C3051	QET41AM-107	E.CAPACITOR	100MF 20% 10V	
C3052	QET41CM-226	E.CAPACITOR	22MF 20% 16V	
C3053	QET41CM-106	E.CAPACITOR	10MF 20% 16V	
C3081	QET41AM-227	E.CAPACITOR	220MF 20% 10V	
C3083	QET41HM-474	E.CAPACITOR	.47MF 20% 50V	
C3084	QET41HM-474	E.CAPACITOR	.47MF 20% 50V	
C3085	QET41HM-474	E.CAPACITOR	.47MF 20% 50V	
C3086	EETB1CM-106E	E.CAPACITOR	10MF 20% 25V	
C3087	QET41EM-106	E.CAPACITOR	10MF 20% 16V	
C3088	QER41CM-106	E.CAPACITOR	33PF 5% 50V	
C3501	QCS11HJ-330	C.CAPACITOR	200PF 5% 50V	
C3502	QCS11HJ-201	C.CAPACITOR	200PF 5% 50V	
C3503	QCS11HJ-201	C.CAPACITOR	200PF 5% 50V	
C3504	QFLC1HJ-4732M	M.CAPACITOR	.047MF 5% 50V	
C3505	QFLC1HJ-4732M	M.CAPACITOR	.047MF 5% 50V	
C3507	QCB81HK-271Y	C.CAPACITOR	270PF 10% 50V	
C3508	QCS11HJ-680	C.CAPACITOR	68PF 5% 50V	
C9001	QFV41HJ-1042M	FILM CAPACITOR	.10MF 5% 50V	
C9002	QET41EM-107	E CAPACITOR	100MF 20% 25V	
C9101	QET41HM-474	E CAPACITOR	.47MF 20% 50V	
C9102	QET41EM-106	E CAPACITOR	10MF 20% 25V	
C9103	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
C9201	QET41CM-106	E CAPACITOR	10MF 20% 16V	
C9202	QETC1CM-3372M	E CAPACITOR	330MF 20% 16V	
C9203	QET41CM-476	E CAPACITOR	47MF 20% 16V	
C9301	QFLC1HJ-1042M	M.CAPACITOR	.10MF 5% 50V	
C9302	QET41EM-106	E CAPACITOR	10MF 20% 25V	
D3021	MTZ4-3JB	ZENER DIODE		
D3031	1SS133	SI DIODE		
D3032	1SS133	SI DIODE		
D3033	1SS133	SI DIODE		
D3034	1SS133	SI DIODE		
D3501	1SS133	SI DIODE	MAKER SITEI	
D3502	1SS133	SI DIODE	MAKER SITEI	
D3511	RB721Q	DIODE		
D9001	MTZ10JAT-77	ZENER DIODE		
D9002	1SR35-100A-T2	SI DIODE	STANDBY MOTOR	
D9101	MA4075(M)	ZENER DIODE		
D9201	MTZ6-8JB	ZENER DIODE		
D9202	MTZ5-1JB	ZENER DIODE		
D9301	1SS133	SI DIODE		
D9302	MTZ8-2JB	ZENER DIODE		
D9303	1SS133	SI DIODE		
IC 31	LA4705NA	IC	POWER AMP	
IC 32	NJM4580L	IC	AHB AMP	
IC 35	NJM4580L	IC		
IC 38	BH3852S	IC	E VOL	

BLOCK NO. 01

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
A IC 91	D558A20-4101	SI DIODE		
A IC901	BA3960	IC	REG	
A IC931	K1A78504P-T	IC		
A J 901	QNC0001-001	AC SOCKET 8TYPE		
J3002	VMJ3020-101	1PIN PINJ BLACK	SUB WOOFER	
J3003	FMU4001-001	SPK TERMINAL	SPEAKER	
J3004	GMS3160-E40G	3.5 JACK	KIKAKU HENKOU	VX
L 901	VQZ0113-001	INDUCTOR		
L3001	VQP0018-470	INDUCTOR		
L9001	VQP0033-100Z	INDUCTOR	EL&MICON NOISE	
Q1031	KTC3199(GL)-T	TRANSISTOR		
Q1041	2SD2144S(VW)	TRANSISTOR		
Q1051	2SK301(P,Q)	TRANSISTOR		
Q2031	KTC3199(GL)-T	TRANSISTOR		
Q2041	2SD2144S(VW)	TRANSISTOR		
Q2051	2SK301(P,Q)	TRANSISTOR		
Q3041	KRA101M-T	TRANSISTOR		
Q3081	2SD2144S(VW)	TRANSISTOR		
Q3501	KTC3199(GL)-T	TRANSISTOR	BASS MUTE	
Q3502	KTC3199(GL)-T	TRANSISTOR		
Q3511	DTCL44WSTP	TRANSISTOR		
Q9001	KTC3199(GL)-T	TR I/M		
Q9201	2SD882(P,Q)	TRANSISTOR		
Q9202	KRA107M-T	TRANSISTOR		
R1001	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R1002	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R1003	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
R1004	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R1022	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R1023	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	
R1024	QRD161J-202	CARBON RESISTOR	2.0K 5% 1/6W	
R1025	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R1027	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R1028	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R1029	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R1031	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R1032	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R1033	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R1034	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
R1041	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R1051	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R1052	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
R1082	QRD161J-512	CARBON RESISTOR	5.1K 5% 1/6W	
R1083	QRD161J-162	CARBON RESISTOR	1.6K 5% 1/6W	
R1085	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R1086	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
R1087	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R1088	QRD161J-333	CARBON RESISTOR	VOL IC GAIN +4D	
R1089	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R2001	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R2002	QRD161J-2R2	CARBON RESISTOR	2.2 5% 1/6W	
R2003	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
R2004	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R2022	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R2023	QRD161J-222	CARBON RESISTOR	2.2K 5% 1/6W	

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
A R2024	QRD161J-202	CARBON RESISTOR	2.0K 5% 1/6W	
R2025	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R2027	QRD161J-153	CARBON RESISTOR	15K 5% 1/6W	
R2028	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R2029	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R2031	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R2032	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R2033	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R2034	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
R2041	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R2051	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R2052	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
R2082	QRD161J-512	CARBON RESISTOR	5.1K 5% 1/6W	
R2083	QRD161J-162	CARBON RESISTOR	1.6K 5% 1/6W	
R2085	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R2086	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
R2087	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R2088	QRD161J-333	CARBON RESISTOR	VOL IC GAIN +4D	
R2089	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R3001	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R3021	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R3022	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
R3031	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R3032	QRD161J-472	CARBON RESISTOR	4.7K 5% 1/6W	
R3033	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
R3034	QRD161J-134	CARBON RESISTOR	150K 5% 1/6W	
R3035	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R3036	QRD161J-513	CARBON RESISTOR	51K 5% 1/6W	
R3051	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R3052	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R3053	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R3054	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R3055	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R3056	QRD161J-331	CARBON RESISTOR	330 5% 1/6W	
R3081	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R3082	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
R3083	QRD161J-154	CARBON RESISTOR	150K 5% 1/6W	
R3084	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
R3085	QRD161J-272	CARBON RESISTOR	2.7K 5% 1/6W	
R3086	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R3501	QRD161J-473	CARBON RESISTOR	47K 5% 1/6W	
R3502	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
R3503	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
R3504	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R3505	QRD161J-475	CARBON RESISTOR	4.7M 5% 1/6W	
R3507	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R3508	QRD161J-334	CARBON RESISTOR	330K 5% 1/6W	
R3509	QRD161J-224	CARBON RESISTOR	220K 5% 1/6W	
R3510	QRD161J-474	CARBON RESISTOR	470K 5% 1/6W	
R3511	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R3512	QRD161J-152	CARBON RESISTOR	1.5K 5% 1/6W	
R9001	QRD161J-183	CARBON RESISTOR	18K 5% 1/6W	
R9002	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W	
R9003	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R9004	QRD161J-391	CARBON RESISTOR	390 5% 1/6W	

Tuner & System CPU Board

BLOCK NO. 01					BLOCK NO. 02				
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R9102	QRD161J-221	CARBON RESISTOR	220 5% 1/6W		BL701	ESPR10005	EL PANEL(BLUE)	LCD BACK LIGHT	
R9103	QRD161J-332	CARBON RESISTOR	3.3K 5% 1/6W		C 1	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	VX
R9104	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		C 2	NCB21HK-103AY	CER.CAPACITOR-M	.010MF 10% 50V	UB,US,UT,U
R9105	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		C 3	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
R9201	QRD161J-122	CARBON RESISTOR	1.2K 5% 1/6W		C 4	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
R9202	QRD161J-101	CARBON RESISTOR	100 5% 1/6W		C 5	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
R9203	QRD161J-220	CARBON RESISTOR	22 5% 1/6W		C 6	NCB21HK-102AY	E.CAPACITOR	1000PF 10% 50V	UB,US,UT,U
R9204	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		C 9	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
R9205	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W		C 11	NCB21HK-103AY	CER.CAPACITOR-M	.010MF 10% 50V	VX
R9301	QRD0077-4R7X	FUSE RESISTOR	4.7 1/10W		C 12	NCT21CH-150AY	CER.CAPACITOR-M	15PF +50% -10% 1	VX
S 901	VM70126-002	VOLTAGE SELECTOR		UB,US,UT,U	C 13	NCT21UJ-100AY	C CAPACITOR	10PF 5%	UB,US,UT,U
					C 14	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
					C 15	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
					C 16	NCB21HK-102AY	CER.CAPACITOR-M	1000PF 10% 50V	VX
					C 17	NCB21HK-103AY	CER.CAPACITOR-M	.010MF 10% 50V	VX
					C 19	NCB21HK-122AY	CER.CAPACITOR-M	1200PF 10% 50V	VX
					C 21	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
					C 30	QEK41CM-476	E.CAPACITOR	47MF 20% 16V	
					C 31	NCS21HJ-390AY	CER.CAPACITOR-M	39PF 5% 50V	VX
					C 32	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
					C 33	QEK61AM-1072	E.CAPACITOR	100MF 20% 10V	
					C 34	NCS21HJ-150AY	C CAPACITOR	15PF 5% 50V	
					C 35	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
					C 36	QEK41CM-106	E.CAPACITOR	10MF 20% 16V	
					C 37	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
					C 39	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
					C 40	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
					C 41	QEK41HM-104	E.CAPACITOR	.10MF 20% 50V	
					C 42	QEK41HM-474	E.CAPACITOR	.47MF 20% 50V	VX
					C 43	QEK61HM-335ZN	AL E.CAPACITOR	3.3MF 20% 50V	UB,US,UT,U
					C 44	NCS21HJ-221AY	C CAPACITOR	220PF 5% 50V	VX
					C 45	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	
					C 46	QEK61CM-106ZN	AL E.CAPACITOR	10MF 20% 16V	
					C 47	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
					C 49	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	UB,US,UT,U
					C 49	NCB21HK-183AY	CER.CAPACITOR	.015MF 10% 50V	VX
					C 50	NCB21HK-183AY	CER.CAPACITOR	.018MF 10% 50V	VX
					C 50	NCB21HK-153AY	C CAPACITOR	.018MF 10% 50V	UB,US,UT,U
					C 51	QEK41HM-105	E.CAPACITOR	.015MF 10% 50V	
					C 52	QEK41HM-105	E.CAPACITOR	1.0MF 20% 50V	
					C 53	NCB21HK-681AY	CER.CAPACITOR-M	680PF 10% 50V	VX
					C 55	NCS21HJ-120AY	CARBON RESISTOE	12PF 5% 50V	VX
					C 60	QEK61AM-1072	E.CAPACITOR	100MF 20% 10V	
					C 61	NCS21HJ-120AY	C CAPACITOR	12PF 5% 50V	
					C 62	NCS21HJ-120AY	C CAPACITOR	12PF 5% 50V	
					C 63	NCB21HK-473AY	C CAPACITOR	.047MF 10% 25V	
					C 65	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
					C 66	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	VX
					C 67	NCS21HJ-151AY	CER.CAPACITOR-M	150PF 5% 50V	
					C 68	NCS21HJ-101AY	C CAPACITOR	100PF 5% 50V	
					C 69	QEK41HM-225	E.CAPACITOR	2.2MF 20% 50V	
					C 70	NCB21HK-392AY	C CAPACITOR	3900PF 10% 50V	
					C 71	QEK61HM-335ZN	E.CAPACITOR	3.3MF 20% 50V	

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 72	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
C 91	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	VX
CF 1	VCF2M3B-106	CERAMIC FILTER		
CF 1	VCF2L3B-108Z	C FILTER	FM IF	VX
CF 2	VCF2M3B-106	CERAMIC FILTER		
CF 2	VCF2L3B-108Z	C FILTER	FM IF	
CF 3	VCF2L22-115Z	CERAMIC FILTER		
CF 4	CMU2-456A05	CERA LOCK		
CM501	VMC0314-S14	CONNECTOR		
CM502	VMC0314-S14	CONNECTOR		
CM503	VMC0075-003	CONNECTOR		
CM631	VMC0163-R07	CONNECTOR		
CM632	VMC0314-P14	CONNECTOR		
CM633	VMC0340-S18	CONNECTOR		
CM634	VMC0041-005	CONNECTOR		
CM635	VMC0040-003	CONNECTOR		
CM711	VMC0340-P16	CONNECTOR	TO MAIN	
CM761	VMC0340-P18	CONNECTOR	TO FUNC. TUNER	
CM766	VMC0163-R11	CONNECTOR	TO CD	
CM781	EMV2159-006	CONNECTOR BTOB	TO SW	
CM801	EMV3159-006R	B TO B CONNECTOR	TO MICOM	
CA001	QET41CM-106	E CAPACITOR	10MF 20% 16V	
CA002	QETCOJM-227ZN	E CAPACITOR	220MF 20% 6.3V	
CA003	QET41AM-107	E CAPACITOR	100MF 20% 10V	
C3301	QET41HM-475	E CAPACITOR	TU SW	
C3302	QET41AM-107	E CAPACITOR	TU SW	
C5901	QET41CM-227	E CAPACITOR	220MF 20% 16V	
C5902	QER41EM-685Z	E CAPACITOR	6.8MF 20% 25V	
C5903	QFLC1HJ-333ZM	M CAPACITOR	.033MF 5% 50V	
C5904	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
C5905	QCVB1CM-103Y	C CAPACITOR	.010MF 20% 16V	
C5906	QCB81HK-102Y	C CAPACITOR	-10 KISEIHATUSI	
C6121	NCB21HK-122AY	C CAPACITOR	1200PF 10% 50V	
C6122	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
C6151	NCS21HJ-100AY	C CAPACITOR	10PF 5% 50V	
C6152	QER41EM-475VM	E CAPACITOR	4.7MF 20% 25V	
C6155	QER41EM-475VM	E CAPACITOR	4.7MF 20% 25V	
C6156	QTE1C03-106Z	E CAPACITOR		
C6221	NCB21HK-122AY	C CAPACITOR	1200PF 10% 50V	
C6222	NCB21HK-332AY	C CAPACITOR	3300PF 10% 50V	
C6251	NCS21HJ-100AY	C CAPACITOR	10PF 5% 50V	
C6252	QER41EM-475VM	E CAPACITOR	4.7MF 20% 25V	
C6255	QER41EM-475VM	E CAPACITOR	4.7MF 20% 25V	
C6256	QTE1C03-106Z	E CAPACITOR		
C6301	QER61HM-684ZM	E CAPACITOR	.68MF 20% 50V	
C6302	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C6321	QER41CM-106	E CAPACITOR	10MF 20% 16V	
C6322	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C6341	QER41HM-105VM	E CAPACITOR	1.0MF 20% 50V	
C6343	QCB81HK-151Y	C CAPACITOR	150PF 10% 50V	
C6351	QER41CM-476M	E CAPACITOR	47MF 20% 16V	
C6352	QTE1V06-106Z	E CAPACITOR		
C6353	NCB21EK-823AY	C CAPACITOR	.082MF 10% 25V	
C6370	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	
C6371	NCB21HK-223AY	C CAPACITOR	.022MF 10% 50V	

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C6372	QCB81HK-151Y	C CAPACITOR	150PF 10% 50V	
C6373	NCB21HK-182AY	C CAPACITOR	1800PF 10% 50V	
C6374	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
C6375	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C6376	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
C7001	NCS21HJ-180AY	C CAPACITOR	18PF 5% 50V	
C7002	NCS21HJ-180AY	C CAPACITOR	18PF 5% 50V	
C7004	NCS21HJ-360AY	C CAPACITOR	36PF 5% 50V	
C7005	NCS21HJ-390AY	C CAPACITOR	39PF 5% 50V	
C7006	NCS21HJ-200AY	C CAPACITOR	20PF 5% 50V	
C7007	NCS21HJ-220AY	C CAPACITOR	22PF 5% 50V	
C7008	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
C7009	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
C7011	QER41AM-107	E CAPACITOR	100MF 20% 10V	
C7012	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C7013	QFLC1HJ-104ZM	M CAPACITOR	.10MF 5% 50V	
C7014	QER41CM-106	E CAPACITOR	10MF 20% 16V	
C7021	QER41CM-476M	E CAPACITOR	47MF 20% 16V	
C7022	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
C7026	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C7027	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
C7031	EECS0HD473H	E D.L. CAPACITOR		
C7051	QER41CM-106	E CAPACITOR	10MF 20% 16V	
C7052	QER41HM-225	E CAPACITOR	2.2MF 20% 50V	
C7081	NCB21HK-102AY	C CAPACITOR	MICOM NOISE	
C7091	QER41AM-107	E CAPACITOR	100MF 20% 10V	
C7701	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
C7702	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
C7704	NCS21HJ-331AY	C CAPACITOR	330PF 5% 50V	
C7719	NCS21HJ-271AY	C CAPACITOR	MICOM NOISE	
C7721	NCS21HJ-271AY	C CAPACITOR	MICOM NOISE	
C7722	NCS21HJ-271AY	C CAPACITOR	MICOM NOISE	
C7723	NCS21HJ-271AY	C CAPACITOR	MICOM NOISE	
C7724	NCB21HK-102AY	C CAPACITOR	MICOM NOISE	
C7725	NCB21HK-102AY	C CAPACITOR	MICOM NOISE	
C7731	NCB21HK-102AY	C CAPACITOR	1000PF 10% 50V	
C7737	NCB21HK-102AY	C CAPACITOR	MICOM NOISE	
C7757	QER41HM-225	E CAPACITOR	2.2MF 20% 50V	
C7758	QER61HM-335ZM	E CAPACITOR	3.3MF 20% 50V	
C7759	QER41HM-225	E CAPACITOR	2.2MF 20% 50V	
C7771	QER41HM-105VM	E CAPACITOR	1.0MF 20% 50V	
C7773	QER41HM-105VM	E CAPACITOR	1.0MF 20% 50V	
C7782	NCS21HJ-151AY	C CAPACITOR	MICOM NOISE	
C7783	NCS21HJ-151AY	C CAPACITOR	150PF 5% 50V	
C7787	NCB21HK-103AY	C CAPACITOR	.010MF 10% 50V	
D 1	1SS133	SI DIODE		
D 2	1SS133	SI DIODE		
D 3	1SS133	SI DIODE		
D 4	1SS133	SI DIODE		
D1701	VCL1208-001S	L.C.D.		
D5301	MTZ3.9JB	ZENER DIODE	TU SW	
D5302	1SS133	SI DIODE	TU SW	
D5303	1SS133	SI DIODE	TU SW	
D6341	MTZ6.2JB	ZENER DIODE		
D7001	1SS133	SI DIODE	US5V	

BLOCK NO. 02					
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	
D7011	MT18-2UB	ZENER DIODE			
D7012	1SS133	SI DIODE	BACK UP		
D7031	1SS133	SI DIODE	XKILL		
D7032	1SS133	SI DIODE	RESET		
D7051	1SS133	SI DIODE	BACK UP		
D7061	MT15-1JC	ZENER DIODE	STANDBY LED		
D7091	SLR-342VC-T09	LED RED H8.9MM			
D7092	1SS133	SI DIODE			
D7095	1SS133	SI DIODE			
D8101	SLR-342MC-T09	LED GRN. H8.9MM	CD DOOR		
D8102	SLR-342MC-T09	LED GRN. H8.9MM	CD DOOR		
D8103	SLJ-481C09-T6	LED	CD DOOR		
IC 1	TA2057N	IC			
IC 2	LC72136	IC			
IC401	TAB409S	IC			
IC666	BA15218F	IC	FUNCTION		
IC701	UPD78063GF-111	IC	SYSTEM MICON		
IC702	SBI1971-52	RM-RECEIVER			
IC703	KIA78S06P-T	IC			
J 1	FMB10YU-401K	ANT. TERMINAL	AM/FM ANT		
J5701	VCV7003-001	ROTARY ENCODER			
J6001	VMJ3025-001	4PIN JACK ASSY			
J6371	GP1F32T	OPTICAL JACK			
K6370	VQZ0048-007	INDUCTOR	VSS		
K7001	VQZ0107-002	INDUCTOR			
K7003	VQZ0107-002	INDUCTOR			
K8001	VQZ0107-002	INDUCTOR			
L 1	VQZ0098-102	LC BLOCK	MW/LW RF/OSC	VX	
L 1	VQZ0098-202	COIL BLOCK			
L 4	VQP0018-221	INDUCTOR			
L 11	VQP0018-2R7	INDUCTOR			
L4001	VQP0028-221Z	INDUCTOR			
L4002	VQZ0107-002	INDUCTOR			
L5901	VQH1009-042	OSC COIL(BIAS)			
L5902	VQP0033-100Z	INDUCTOR			
L6121	EQF0101-010	FILTER			
L6221	EQF0101-010	FILTER			
L6370	VQP0018-100	INDUCTOR	SW5V		
L7002	VQP0033-100Z	INDUCTOR	AVREF		
L7332	VQP0018-4R7	INDUCTOR	SDATA		
L7701	VQP0018-4R7	INDUCTOR	SCK		
L7702	VQP0018-4R7	INDUCTOR	AVDD		
L7731	VQP0033-100Z	INDUCTOR			
Q 1	2SC2668(0)	TRANSISTOR			
Q 3	KTC3199(GL)-T	SI-TRANSISTOR		VX	
Q 4	KTC3199(GL)-T	SI-TRANSISTOR		VX	
Q 6	DTA114YKA-X	TRANSISTOR			
Q 7	2SA1037K(R)	TRANSISTOR			
Q 8	2SA1037K(R)	TRANSISTOR			
Q4001	2SC2412KK1	TRANSISTOR			
Q4002	2SC2412KK1	TRANSISTOR			
Q4003	DTA143TS	TRANSISTOR			
Q5301	KTA1267(VG)-T	TRANSISTOR	TU SW		
Q5302	KTC3199(GL)-T	TRANSISTOR	TU SW		
Q5901	2SD2144S(CVW)	TRANSISTOR			
BLOCK NO. 02					
REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX	
Q5902	KRC102M-T	D-TRANSISTOR	FOR DIMMER		
Q5903	2SA952(L,K)	TRANSISTOR			
Q6101	2SC2412KK1	TRANSISTOR			
Q6121	2SC2412KK1	TRANSISTOR			
Q6141	2SC2412KK1	TRANSISTOR			
Q6201	2SC2412KK1	TRANSISTOR			
Q6221	2SC2412KK1	TRANSISTOR			
Q6241	2SC2412KK1	TRANSISTOR			
Q6301	2SC2412KK1	TRANSISTOR			
Q6321	DTA114EKA-X	TRANSISTOR			
Q6341	DTA114EKA-X	TRANSISTOR			
Q7001	2SC2668(0)	TRANSISTOR	CLOCK SHIFT		
Q7002	2SC2668(0)	TRANSISTOR	CLOCK SHIFT		
Q7031	2SA1037AK(RS)-X	CHIP TRANSISTOR	SM5V		
Q7051	DTC114TKT146	TRANSISTOR	RESET		
Q7061	2SC2412KK1	TRANSISTOR	BACK UP		
Q7091	2SC2412KK1	TRANSISTOR	POUT SW		
Q7092	2SA1037AK(RS)-X	CHIP TRANSISTOR	STANDBY LED CON		
Q7784	DTC144TKA-X	TRANSISTOR	TUNER DATA CONT		
R 1	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 2	NRSA02J-820NY	MG RESISTOR	82 5% 1/10W		
R 3	NRSA02J-OR0NY	MG RESISTOR	5% 1/10W		VX
R 3	NRSA02J-560NY	M.G-RESISTOR	56 5% 1/10W		
R 10	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		VX
R 10	NRSA02J-152NY	M.G-RESISTOR	1.5K 5% 1/10W		
R 12	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 13	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W		
R 15	NRSA02J-103NY	M.G-RESISTOR	10K 5% 1/10W		VX
R 16	NRSA02J-103NY	M.G-RESISTOR	10K 5% 1/10W		VX
R 20	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W		
R 21	NRSA02J-224NY	MG RESISTOR	220K 5% 1/10W		
R 22	NRSA02J-331NY	MG RESISTOR	330 5% 1/10W		
R 23	NRSA02J-270NY	MG RESISTOR	27 5% 1/10W		
R 24	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W		
R 25	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		VX
R 26	NRSA02J-153NY	M.G-RESISTOR	15K 5% 1/10W		
R 27	NRSA02J-223NY	MG RESISTOR	22K 5% 1/10W		
R 29	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 30	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 31	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 32	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W		
R 34	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W		
R 35	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W		
R 36	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W		
R 37	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W		
R 38	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W		
R 39	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W		
R 42	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 43	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 44	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 45	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 48	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W		
R 52	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W		
R 54	NRSA02J-472NY	MG RESISTOR	4.7K 5% 1/10W		
R 55	NRSA02J-182NY	MG RESISTOR	1.8K 5% 1/10W		

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 56	NRS02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R 57	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	VX
R 60	NRS02J-102NY	M.G.RESISTOR	1.0K 5% 1/10W	VX
R 61	NRS02J-102NY	M.G.RESISTOR	1.0K 5% 1/10W	VX
R 65	NRS02J-222NY	M.G.RESISTOR	2.2K 5% 1/10W	
R 66	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R 69	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R 74	NRS02J-332NY	M.G.RESISTOR	3.3K 5% 1/10W	VX
R 75	NRS02J-103NY	M.G.RESISTOR	10K 5% 1/10W	VX
R4001	NRS02J-153NY	MG RESISTOR	15K 5% 1/10W	
R4002	NRS02J-682NY	MG RESISTOR	6.8K 5% 1/10W	
R4003	QRD14CJ-3R9S	UNF. C-RESISTOR	3.9 5% 1/4W	
R4004	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R4005	QRD161J-391	CARBON RESISTOR	390 5% 1/6W	
R4006	QRD161J-151	CARBON RESISTOR	150 5% 1/6W	
R5301	QRD161J-390	CARBON RESISTOR	TU SW	
R5302	QRD161J-102	CARBON RESISTOR	TU SW	
R5303	QRD161J-563	CARBON RESISTOR	TU SW	
R5304	QRD161J-472	CARBON RESISTOR	TU SW	
R5901	QRD161J-270	CARBON RESISTOR	27 5% 1/6W	
R5902	QRD167J-682	CARBON RESISTOR	6.8K 5% 1/6W	
R5903	QRD161J-271	CARBON RESISTOR	270 5% 1/6W	
R5904	QRZ0077-470	F RESISTOR	47 1/0W	
R5905	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
R6101	NRS02J-224NY	MG RESISTOR	220K 5% 1/10W	
R6102	NRS02J-623NY	MG RESISTOR	62K 5% 1/10W	
R6103	NRS02J-153NY	MG RESISTOR	15K 5% 1/10W	
R6104	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R6106	NRS02J-153NY	MG RESISTOR	15K 5% 1/10W	
R6121	NRS02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R6122	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R6123	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R6124	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R6141	NRS02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
R6142	QRD161J-392	CARBON RESISTOR	3.9K 5% 1/6W	
R6143	NRS02J-123NY	MG RESISTOR	12K 5% 1/10W	
R6144	NRS02J-332NY	MG RESISTOR	3.3K 5% 1/10W	
R6145	NRS02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
R6151	NRS02J-154NY	MG RESISTOR	150K 5% 1/10W	
R6152	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R6156	NRS02J-124NY	MG RESISTOR	120K 5% 1/10W	
R6157	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R6201	NRS02J-224NY	MG RESISTOR	220K 5% 1/10W	
R6202	NRS02J-623NY	MG RESISTOR	62K 5% 1/10W	
R6203	NRS02J-153NY	MG RESISTOR	15K 5% 1/10W	
R6204	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R6206	NRS02J-153NY	MG RESISTOR	15K 5% 1/10W	
R6221	NRS02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R6222	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R6223	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R6224	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R6241	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
R6242	NRS02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R6243	NRS02J-123NY	MG RESISTOR	12K 5% 1/10W	
R6244	NRS02J-332NY	MG RESISTOR	3.3K 5% 1/10W	

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R6245	NRS02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
R6251	NRS02J-154NY	MG RESISTOR	150K 5% 1/10W	
R6252	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R6256	NRS02J-124NY	MG RESISTOR	120K 5% 1/10W	
R6257	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R6301	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R6341	NRS02J-223NY	MG RESISTOR	22K 5% 1/10W	
R6351	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R6352	NRS02J-473NY	MG RESISTOR	47K 5% 1/10W	
R6353	NRS02J-473NY	MG RESISTOR	47K 5% 1/10W	
R6370	NRS02J-913NY	RESISTOR	91K 5% 1/10W	
R6371	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R6372	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7005	NRS02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
R7006	NRS02J-822NY	MG RESISTOR	8.2K 5% 1/10W	
R7028	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7029	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7031	QRD161J-331	CARBON RESISTOR	330 5% 1/6W	
R7032	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7033	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7034	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7035	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7041	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R7062	NRS02J-473NY	MG RESISTOR	47K 5% 1/10W	
R7063	NRS02J-104NY	MG RESISTOR	100K 5% 1/10W	
R7081	NRS02J-104NY	MG RESISTOR	100K 5% 1/10W	
R7082	NRS02J-104NY	MG RESISTOR	100K 5% 1/10W	
R7083	NRS02J-103NY	MG RESISTOR	100K 5% 1/10W	
R7084	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7091	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7092	NRS02J-271NY	MG RESISTOR	270 5% 1/10W	
R7093	NRS02J-153NY	MG RESISTOR	15K 5% 1/10W	
R7095	NRS02J-333NY	MG RESISTOR	33K 5% 1/10W	
R7096	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7097	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7098	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7641	NRS02J-473NY	MG RESISTOR	47K 5% 1/10W	
R7701	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7702	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7703	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7704	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7705	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7706	NRS02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7711	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7712	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7713	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7715	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7716	NRS02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R7717	NRS02J-472NY	MG RESISTOR	4.7K 5% 1/10W	
R7718	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7719	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7721	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7722	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7723	NRS02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7724	NRS02J-222NY	MG RESISTOR	2.2K 5% 1/10W	

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R8021	NRSA02J-ORONY	MG RESISTOR	VERSION	
R8101	NRSA02J-271NY	MG RESISTOR	270 5% 1/10W	
R8102	NRSA02J-391NY	MG RESISTOR	390 5% 1/10W	
S6370	VSH1153-002	SWITCH		
S6371	VSH1153-002	SWITCH		
S8001	QSQ4H11-V12Z	TACT SWITCH		
S8002	QSQ4H11-V12Z	TACT SWITCH		
S8003	QSQ4H11-V12Z	TACT SWITCH		
S8004	QSQ4H11-V12Z	TACT SWITCH		
S8005	QSQ4H11-V12Z	TACT SWITCH		
S8006	QSQ4H11-V12Z	TACT SWITCH		
S8007	QSQ4H11-V12Z	TACT SWITCH		
S8008	QSQ4H11-V12Z	TACT SWITCH		
S8009	QSQ4H11-V12Z	TACT SWITCH		
S8010	QSQ4H11-V12Z	TACT SWITCH		
S8011	QSQ4H11-V12Z	TACT SWITCH		
S8012	QSQ4H11-V12Z	TACT SWITCH		
S8013	QSQ4H11-V12Z	TACT SWITCH		
T 1	VQT7A21-113	IFT		
TU 1	VAF2S13-101	FRONT END	FM TUNER	VX
TU 1	VAF3S01-001	FRONT END	FM TUNER	
W6000	VMZ0015-005	POST PIN		
W6001	VMZ0015-002	POST PIN		
X 1	VCX5044-001	CRYSTAL		
X7001	VCX5000-002	CRYSTAL	CLOCK	
X7002	M2Z4.19	CERA LOCK	MAIN CLOCK	VX
3 2	DTA114YKA-X	DIGI. TRANSISTOR		

BLOCK NO. 02

REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R7725	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7726	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7727	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7729	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7731	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7732	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7733	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7734	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7735	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7736	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7737	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7738	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7741	NRSA02J-154NY	MG RESISTOR	150K 5% 1/10W	
R7742	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7743	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7744	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7746	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7747	NRSA02J-104NY	MG RESISTOR	100K 5% 1/10W	
R7749	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R7751	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7752	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7753	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7754	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7755	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7756	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7757	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R7758	NRSA02J-473NY	MG RESISTOR	47K 5% 1/10W	
R7759	NRSA02J-333NY	MG RESISTOR	33K 5% 1/10W	
R7761	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7762	NRSA02J-153NY	MG RESISTOR	15K 5% 1/10W	
R7763	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7764	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R7771	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
R7772	NRSA02J-114NYM	RESISTOR	110K 5% 1/10W	
R7773	NRSA02J-114NYM	RESISTOR	110K 5% 1/10W	
R7774	NRSA02J-ORONY	MG RESISTOR	5% 1/10W	
R7775	NRSA02J-683NY	MG RESISTOR	68K 5% 1/10W	
R7783	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7784	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7785	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R7819	QRD161J-122	CARBON RESISTOR	MICOM NOISE	
R7821	NRSA02J-102NY	MG RESISTOR	MICOM NOISE	
R7822	QRD161J-122	CARBON RESISTOR	MICOM NOISE	
R7823	NRSA02J-102NY	MG RESISTOR	FOR B7854	
R8001	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8002	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8003	NRSA02J-122NY	MG RESISTOR	1.2K 5% 1/10W	
R8004	NRSA02J-152NY	MG RESISTOR	1.5K 5% 1/10W	
R8005	NRSA02J-222NY	MG RESISTOR	2.2K 5% 1/10W	
R8006	NRSA02J-272NY	MG RESISTOR	2.7K 5% 1/10W	
R8007	NRSA02J-392NY	MG RESISTOR	3.9K 5% 1/10W	
R8008	NRSA02J-562NY	MG RESISTOR	5.6K 5% 1/10W	
R8009	NRSA02J-103NY	MG RESISTOR	10K 5% 1/10W	
R8011	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8012	NRSA02J-102NY	MG RESISTOR	1.0K 5% 1/10W	
R8020	NRSA02J-473NY	MG RESISTOR	VERSION	

CD Servo Control Board

BLOCK NO. 03

A REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
C 604	QE51AM-107	E CAPACITOR	100MF 20% 10V	
C 605	QE141EM-106	E.CAPACITOR	10MF 20% 25V	
C 606	QCB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
C 607	QCB1HK-102Y	C.CAPACITOR	1000PF 10% 50V	
C 608	QE141HM-105	E.CAPACITOR	1.0MF 20% 50V	
C 609	QCB1HK-101Y	C.CAPACITOR	100PF 10% 50V	
C 610	QF1C1HJ-273ZM	M.CAPACITOR	.027MF 5% 50V	
C 611	QF1C1HJ-273ZM	M.CAPACITOR	2200PF 20% 16V	
C 612	QCB1CM-103Y	C.CAPACITOR	.010MF 20% 16V	
C 613	QCB1HK-331Y	C.CAPACITOR	330PF 10% 50V	
C 614	QF1C1HJ-104ZM	M.CAPACITOR	.10MF 5% 50V	
C 615	QCB1EZ-223	C.CAPACITOR	.022MF +80%:-20%	
C 616	QCB1EZ-223	C.CAPACITOR	.022MF +80%:-20%	
C 617	QCB1EZ-223	C.CAPACITOR	.022MF +80%:-20%	
C 618	QCB1CM-222Y	C.CAPACITOR	2200PF 20% 16V	
C 619	QCB1HK-271Y	C.CAPACITOR	270PF 10% 50V	
C 620	QF1C1HJ-470	C.CAPACITOR	47PF 5% 50V	
C 621	QCB1HK-821Y	C.CAPACITOR	820PF 10% 50V	
C 622	QE141AM-476	E.CAPACITOR	47MF 20% 10V	
C 623	QF1C1HJ-104ZM	M.CAPACITOR	.10MF 5% 50V	
C 624	QCB1EM-473V	C.CAPA. I.M	.047MF 20% 25V	
C 625	QE141AM-107	E.CAPACITOR	100MF 20% 10V	
C 631	QE141AM-477	E.CAPACITOR	470MF 20% 10V	
C 632	QE51AM-107	E.CAPACITOR	100MF 20% 10V	
C 651	QF1C1HJ-120	C.CAPACITOR	12PF 5% 50V	
C 652	QF1C1HJ-150	C.CAPACITOR	15PF 5% 50V	
C 653	QCB1EZ-223	C.CAPACITOR	.022MF +80%:-20%	
C 655	QCB1EM-473V	C.CAPA. I.M	.047MF 20% 25V	
C 661	QCB1HK-471Y	C.CAPACITOR	470PF 10% 50V	
C 662	QCB1EZ-223	C.CAPACITOR	.022MF +80%:-20%	
C 663	QF1C1HJ-223ZM	M.CAPACITOR	.022MF 5% 50V	
C 664	QCB1EZ-223	C.CAPACITOR	.022MF +80%:-20%	
C 665	QF171HJ-334ZM	FILM CAPACITOR	.33MF 5% 50V	
C 671	QCB1CM-152Y	C.CAPACITOR	1500PF 20% 16V	
C 672	QCB1CM-152Y	C.CAPACITOR	1500PF 20% 16V	
C 673	QF1C05-227	E CAPACITOR	.022MF +80%:-20%	
C 674	QCB1EZ-223	C.CAPACITOR	AG-DG	
C 675	QCB1HK-102Y	C.CAPACITOR	AG-DG	
C 676	QCB1HK-102Y	C.CAPACITOR	AG-DG	
C 691	QCB1HK-151Y	C.CAPACITOR	DENGEN NOISE	
C 692	QCB1HK-151Y	C.CAPACITOR	DENGEN NOISE	
C 693	QCB1HK-151Y	C.CAPACITOR	DENGEN NOISE	
CN601	EMV7144-015R	15PIN CONNECTOR	TO RF	
CN603	VMC0163-R07	CONNECTOR	TO AUDIO	
CN604	VMC0163-R11	CONNECTOR	TO MICON	
CN605	VMC0041-003	CONNECTOR	TO DIGITAL OUT	
D 661	1SS133	SI DIODE	RF AMP	
IC601	AN8806SB	IC	DRIVER	
IC602	BA6897FP	IC	1CHIP PROCESSOR	
IC603	MN35510	IC		
Q 601	2SA952(L,K)	TRANSISTOR		
Q 631	2SA952(L,K)	TRANSISTOR	12K 5% 1/6W	
R 601	QRD161J-123	CARBON RESISTOR	1.2M 5% 1/6W	
R 603	QRD161J-125	CARBON RESISTOR	130K 5% 1/6W	
R 605	QRD167J-134	C.RES. I.M		

BLOCK NO. 03

A REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
R 606	QRD161J-913	CARBON RESISTOR	91K 5% 1/6W	
R 607	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
R 609	QRD161J-114	C.RES. I.M	110K 5% 1/6W	
R 610	QRD161J-154	CARBON RESISTOR	150K 5% 1/6W	
R 612	QRD161J-103	CARBON RESISTOR	10K 5% 1/6W	
R 613	QRD161J-121	CARBON RESISTOR	120 5% 1/6W	
R 614	QRD161J-100	CARBON RESISTOR	10 5% 1/6W	
R 615	QRD161J-120	CARBON RESISTOR	12 5% 1/6W	
R 616	QRD161J-910Y	CARBON RESISTOR	91 5% 1/6W	
R 621	QRD161J-680	CARBON RESISTOR	68 5% 1/6W	
R 622	QRD161J-680	CARBON RESISTOR	68 5% 1/6W	
R 623	QRD161J-680	CARBON RESISTOR	68 5% 1/6W	
R 631	QRD161J-351	CARBON RESISTOR	350 5% 1/6W	
R 632	QRD161J-101	CARBON RESISTOR	100 5% 1/6W	
R 633	QRD161J-273	CARBON RESISTOR	27K 5% 1/6W	
R 641	QRD161J-563	CARBON RESISTOR	56K 5% 1/6W	
R 642	QRD161J-123	CARBON RESISTOR	12K 5% 1/6W	
R 643	QRD161J-822	CARBON RESISTOR	8.2K 5% 1/6W	
R 644	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 645	QRD161J-223	CARBON RESISTOR	22K 5% 1/6W	
R 646	QRD161J-182	CARBON RESISTOR	1.8K 5% 1/6W	
R 647	QRD167J-562	CARBON RESISTOR	5.6K 5% 1/6W	
R 651	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 652	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 653	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 654	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 655	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R 659	QRD161J-471	CARBON RESISTOR	470 5% 1/6W	
R 661	QRD161J-104	CARBON RESISTOR	100K 5% 1/6W	
R 663	QRD161J-124	CARBON RESISTOR	120K 5% 1/6W	
R 664	QRD161J-681	CARBON RESISTOR	680 5% 1/6W	
R 666	QRD161J-220	CARBON RESISTOR	22 5% 1/6W	
R 671	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
R 672	QRD161J-102	CARBON RESISTOR	1.0K 5% 1/6W	
X 651	VX5016-934V	CRYSTAL	16.9344MHZ	

15. Packing

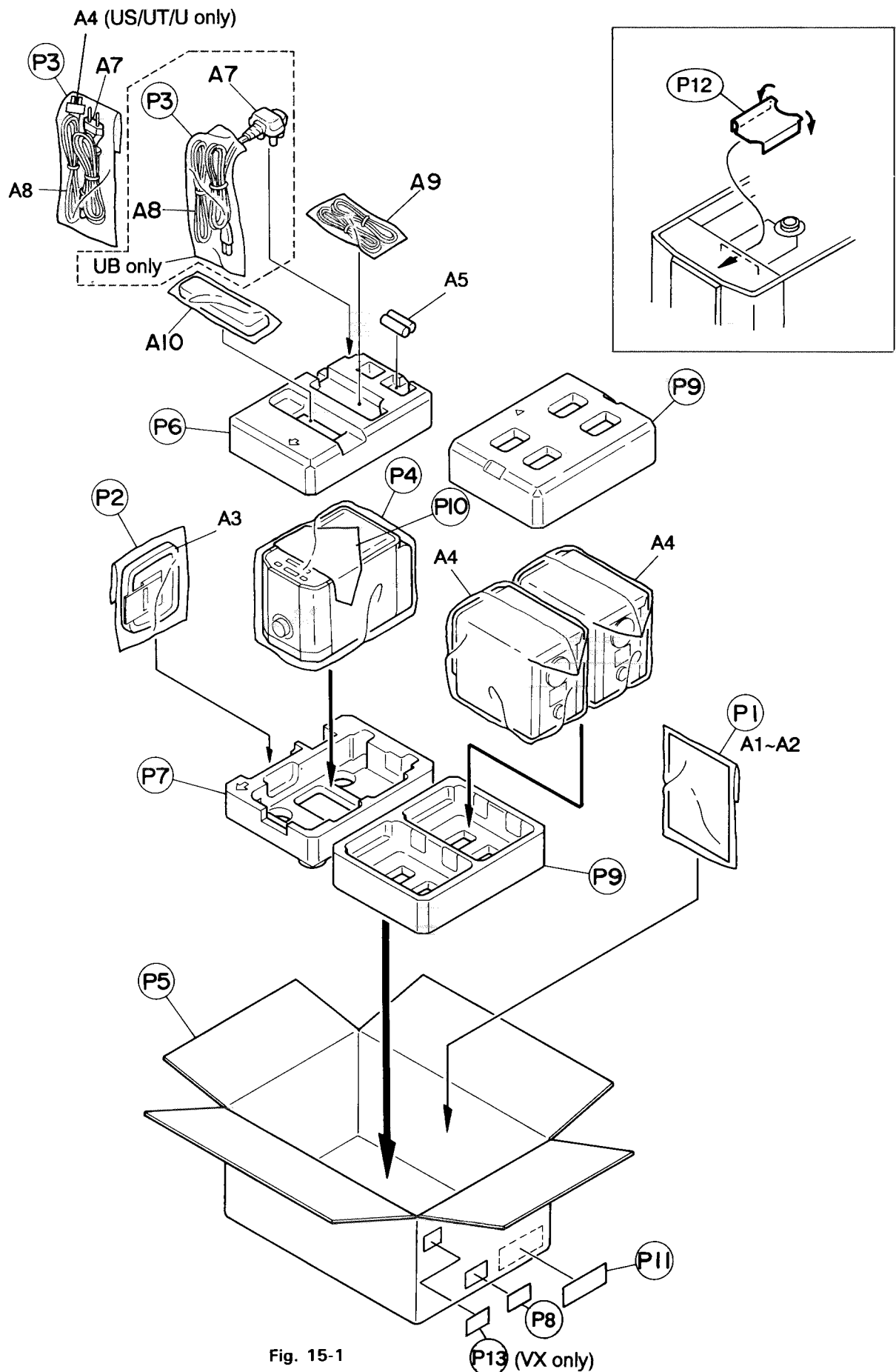


Fig. 15-1

■ Packing Parts List

BLOCK NO. **M3MM** [] [] [] []

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
P	1	VPE3005-007	POLY BAG	INSTRUCTIONS	1		
P	2	VPE3005-042	POLY BAG	AM LOOP ANT	1		
P	3	QPGA012-02505	POLY BAG	POWER CORD	1		
P	4	VPE3020-018	POLY BAG	FOR SET	1		
P	5	VPC9291-C302	CARTON		1		
P	6	VPH1695-001	CUSHION	TOP	1		
P	7	VPH1695-002	CUSHION	BOTTOM	1		
P	8	VND4247-005	VOLTAGE LABEL		1	US,UT,U	
P	9	VPH2481-001	SPK CUSHION		2		
P	10	VPK3001-012	SHEET		1		
P	11	-----	CARTON LABEL		1		
P	12	VPK4236-010	SPACER		1		
P	13	E409393-004	LABEL		1	VX	

■ Accessories

BLOCK NO. **M4MM** [] [] [] []

△	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
A	1	VNN9291-111C	INSTRUCTIONS		1		
		VNN9291-921C	INSTRUCTIONS		1	VX	
A	2	VNN9291-141C	INSTRUCTIONS		1		
A	3	EQB4001-015	AM LOOP ANT	AM ANT.	1		
A	4	UX1000K-SPBOX	SPEAKER BOX		1		
		V04062-001	CONTI.PLUG		1	US,UT,U	
A	5	R6PRPA-2STSA	BATTERY	FOR REMOCON	1		
A	7	QMP7530-183	POWER CORD		1	US,UT,U	
		QMP39F0-183	POWER CORD		1	VX	
		QMP5520-183BS	POWER CORD		1	UB	
A	8	EWP201-011	B. IN ANT	FM ANT.	1		
		EWP503-001	ANTENNA WIRE		1	VX	
A	9	VMP0133-001	SPK.CORD(2PCS)		1		
A	10	VGR0055-301	REMOCON UNIT	RM-RXU1000GR	1		
SVP	1	VYTB430	SARAN NET	INCLUDE TO SPK	1		
SVP	2	VGS0801-010	SPEAKER	INCLUDE TO SPK	1		

UX – 1000GR UB/US/UT/UVX

JVC

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